State of Utah
NASPO Cloud Solutions

Cost Proposal

Solicitation No: CH16012

UNISYS

ATTACHMENT G – COST SCHEDULE

Solicitation Number CH16012
NASPO ValuePoint Cloud Solutions RFP

Cloud Solutions

By Category. <u>Specify *Discount Percent %* Offered for products in each category</u>. Highest discount will apply for products referenced in detail listings for multiple categories. <u>Provide a detailed product offering for each category</u>.

Amazon Web Services

1. Unisys Partner: Amazon Web Services (AWS) Public and IaaS, PaaS, and SaaS

The AWS offerings below will be provided at a 1.5% discount off the AWS list price for AWS services and AWS Premium support. AWS Premium Support will be provided directly by AWS as described on AWS' support web page: https://aws.amazon.com/premiumsupport. The support fees will be calculated based on consumption. This offering will include:

- Any of the product, solution sets below
- Business Level Support to the buyer from AWS
- Unisys provided monthly billing and reporting as required by the Master Agreement (MA), Participating Agreement (PA), and the requirements as stated in this RFP.
- Unisys provided customer enablement, contract management support, fee management, and fee disbursements as required by the MA, PA, and requirements as stated in this RFP.

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
	Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable computing capacity—literally, servers in Amazon's data centers—that you use to build and host your software systems.	Amazon Relational Database Service (Amazon RDS) is a web service that makes it easier to set up, operate, and scale a relational database in the cloud. It provides cost efficient, resizable capacity for an industry-standard relational database and manages common database administration tasks. Database engines available through Amazon RDS include Amazon Aurora, MySQL, Oracle, Microsoft SQL Server, and PostgreSQL.	AWS Identity and Access Management (IAM) is a web service that enables AWS customers to manage users and user permissions in AWS. The service is targeted at organizations with multiple users or systems that use AWS products such as Amazon EC2, Amazon SimpleDB, and the AWS Management Console. With AWS IAM, you can centrally manage users, security credentials such as access keys, and permissions that control which AWS resources

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
			users can access.
	Unisys Stealth is software defined security that delivers advanced protection for critical workloads in the Amazon Web Services cloud. Stealth is designed to create a secure communications tunnel, where the data is encrypted and split before transmission, and to cloak Stealth end points from users or devices except those who are preidentified as part of a secure community referred to as a Community of Interest (COI). Management of COIs is easy with Stealth because access is defined by identity, not physical topology.	Amazon EC2 Container Service is a highly scalable, high-performance container management service that supports Docker containers and allows you to easily run distributed applications on a managed cluster of Amazon EC2 instances.	AWS Directory Service is a managed service that allows you to connect your AWS resources with an existing on-premises Microsoft Active Directory or to set up a new, stand-alone directory in the AWS cloud. Connecting to an on-premises directory is easy; once this connection is established, users can access AWS resources and applications with their existing corporate credentials.
	Auto Scaling is a web service designed to launch or terminate Amazon EC2 instances automatically based on user defined policies, schedules, and health checks.	Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability. You can use Amazon DynamoDB to create a database table that can store and retrieve data, and serve many levels of request traffic. Amazon DynamoDB automatically spreads the data and traffic for the table over a sufficient number of servers to handle the request capacity specified by the customer and the amount of data stored, while maintaining consistent and fast performance.	AWS Service Catalog is a service that allows administrators to create and manage approved catalogs of resources that end users can then access at a personalized portal. You can control which users have access to which applications or AWS resources to enable compliance with your business policies, while users can easily browse and launch products from the catalogs you create.
	Elastic Load Balancing automatically distributes your incoming application traffic across multiple Amazon EC2 instances. It detects unhealthy instances and reroutes traffic to healthy instances until the unhealthy instances are restored. Elastic Load Balancing scales its request handling capacity automatically in response to incoming traffic.	Amazon Redshift is a fast, fully managed, petabyte scale data warehouse solution that makes it simple and cost-effective to efficiently analyze your data using your existing business intelligence tools.	AWS Config is a fully managed service that provides you with an AWS resource inventory, configuration history, and configuration change notifications to enable security and governance. With AWS Config you can discover existing AWS resources, export a complete inventory of your AWS resources with configuration details, and determine how a resource was configured at a point in time. These capabilities enable compliance auditing, security analysis, resource change

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
			tracking,and troubleshooting.

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
	Amazon Virtual Private Cloud (Amazon VPC) enables you to launch AWS resources into a virtual network that you defined. This virtual network closely resembles a traditional network that you would operate in your own data center, with the benefits of using the scalable infrastructure of AWS.	Amazon ElastiCache is a web service that makes it easy to set up, manage, and scale distributed, in-memory cache environments in the cloud. It provides a high performance, resizable, and cost-effective in-memory cache, while removing the complexity associated with deploying and managing a distributed cache environment.	AWS CloudHSM provides you with secure cryptographic key storage by making Hardware Security Modules (HSMs) available in the AWS cloud.
	Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service.	Amazon Elastic MapReduce (Amazon EMR) is a web service that makes it easy to process large amounts of data efficiently. Amazon EMR uses Hadoop processing combined with several AWS products to perform tasks such as web indexing, data mining, log file analysis, machine learning, scientific simulation, and data warehousing.	AWS Key Management Service (KMS) is a managed service that makes it easy for you to create and control the encryption keys used to encrypt your data and uses Hardware Security Modules (HSMs) to protect the security of your keys. AWS KMS is integrated with other AWS cloud services including Amazon EBS, Amazon S3, and Amazon Redshift. AWS KMS is also integrated with AWS CloudTrail to provide you with logs of key usage to help meet your regulatory and compliance needs.

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)

AWS Direct Connect links your internal network to an AWS Direct Connect location over a standard 1 GB or 10 GB Ethernet fiber optic cable. One end of the cable is connected to your router and the other to an AWS Direct Connect router. With this connection, you can create virtual interfaces directly to the AWS cloud and Amazon VPC, bypassing Internet service providers in your network path.	Amazon Kinesis is a managed service that scales elastically for real-time processing of streaming big data. The service takes in large streams of data records that can then be consumed in real time by multiple data processing applications that can be run on Amazon EC2 instances. The data processing applications use the Amazon Kinesis Client Library and are called Amazon Kinesis applications.	With AWS CloudTrail, you can get a history of AWS API calls for your account, including API calls made via the AWS Management Console, the AWS Software Development Kits (SDKs), the command line tools, and higher level AWS cloud services. You can also identify which users and accounts called AWS APIs for services that support AWS CloudTrail, the source IP address the calls were made from, and when the calls occurred. You can integrate AWS CloudTrail into applications using the API, automate trail creation for your organization, check the status of your trails, and control how administrators turn AWS CloudTrail logging on and off.
Amazon Simple Storage Service (Amazon S3) is storage for the Internet. You can use Amazon S3 to store and retrieve data from anywhere on the web. You can accomplish these tasks using the simple and intuitive web interface of the AWS Management Console.	AWS Data Pipeline is a web service that helps you reliably process and move data between different AWS compute and storage services as well as on premises data sources at specified intervals. With AWS Data Pipeline, you can regularly access your data where it's stored, transform and process it at scale, and efficiently transfer the results to AWS cloud services such as Amazon S3, Amazon RDS, Amazon DynamoDB, and Amazon EMR.	Amazon CloudWatch is a web service that enables you to collect, view, and analyze metrics. Amazon CloudWatch lets you programmatically retrieve your monitoring data, view graphs, and set alarms to help you troubleshoot, spot trends, and take automated action based on the state of your cloud environment.
Amazon Glacier is a storage service optimized for infrequently used data ("cold data"). The service provides secure, durable, and extremely low-cost storage for data archiving and backup. With Amazon Glacier, you can store your data cost effectively for months, years, or decades. Amazon Glacier enables you to offload the administrative burdens of operating and scaling storage to AWS, so you don't have to worry about capacity planning, hardware provisioning, data replication, hardware failure detection and recovery, or time consuming hardware migrations.	Amazon Mobile Analytics is a service that lets you easily collect, visualize, and understand application usage data at scale. Many mobile application analytics solutions deliver usage data several hours after the events occur. Amazon Mobile Analytics is designed to deliver usage reports within 60 minutes of receiving data from an application so that you can act on the data more quickly.	AWS provides API-based cloud computing services with multiple interfaces to those services, including SDKs, IDE Toolkits, and command line tools for developing and managing AWS resources.

	Amazon Elastic Block Store (Amazon EBS) provides block level storage volumes for use with Amazon EC2 instances. Amazon EBS volumes are highly available and reliable storage volumes that can be attached to at least one running instance that is in the same Availability Zone. Amazon EBS volumes that are attached to an Amazon EC2 instance are exposed as storage volumes that persist independently from the life of the instance. With Amazon EBS, you only pay for what you use.	With AWS Elastic Beanstalk, you can quickly deploy and manage applications in the AWS cloud without worrying about the infrastructure that runs those applications. AWS Elastic Beanstalk reduces management complexity without restricting choice or control. You simply upload your application, and AWS Elastic Beanstalk automatically handles the details of capacity provisioning, load balancing, scaling, and application health monitoring.	Amazon CloudFront is a content delivery web service. It integrates with other AWS cloud services to give developers and governments an easy way to distribute content to end users with low-latency, high data transfer speeds and no commitments.

Amazon Web Services Offering Details	Infrastructure as a Service (IaaS)	Platform as a Service (PaaS)	Software as a Service (SaaS)
	AWS Import/Export accelerates transferring large amounts of data between the cloud and portable storage devices that you mail to AWS. AWS transfers data directly onto and off your storage devices using Amazon's high speed internal network. Your data load typically begins the next business day after your storage device arrives at AWS. After the data export or import completes, AWS returns your storage device. For large data sets, AWS Import/Export is significantly faster than Internet transfer and more cost effective than upgrading your connectivity.	AWS CloudFormation offers developers and system administrators an easy way to create and manage a collection of related AWS resources, provisioning and updating them in an orderly and predictable way. You can use AWS CloudFormation's sample templates or create your own templates to describe the AWS resources, and associated dependencies or runtime parameters, required to run your application.	AWS CodePipeline is a continuous delivery and release automation service that aids smooth deployments. You can design your development workflow for checking in code, building the code, deploying your application to staging, testing it, and releasing it to production. You can integrate third-party tools into the steps of your release process, or you can use AWS CodePipeline as an end-to-end solution.
	AWS Storage Gateway is a service that connects an onpremises software appliance with cloud-based storage to provide seamless and secure integration between your on-premises IT environment and the AWS storage infrastructure.	AWS CodeDeploy is a service that automates code deployments to Amazon EC2 instances. AWS CodeDeploy makes it easier for you to rapidly release new features, helps you avoid downtime during deployment, and handles the complexity of updating your applications. You can use AWS CodeDeploy to automate deployments, eliminating the need for error-prone manual operations, and the service scales with your infrastructure so you can easily deploy applications to one Amazon EC2 instance or thousands.	The Amazon AppStream web service deploys your application on AWS infrastructure and streams input and output between your application and devices such as personal computers, tablets, and mobile phones. Your application's processing occurs in the cloud, so it can scale to handle vast computational loads. Devices need only display output and return user input, so the client application on the device can be lightweight in terms of file size and processing requirements.

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
	Access and manage Amazon cloud services at a simple and intuitive web-based user	AWS CodeCommit is a secure, highly scalable, managed source control	Amazon CloudSearch is a fully managed service in the cloud that makes it easy to

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
	interface. You can also use the AWS Console mobile app to quickly view resources on-thego.	service that hosts private Git repositories. AWS CodeCommit eliminates the need for you to operate your own source control system or worry about scaling its infrastructure. You can use AWS CodeCommit to store anything from code to binaries, and it supports the standard functionality of Git, allowing it to work seamlessly with your existing Git-based tools.	set up, manage, and scale a search solution for your website. Amazon CloudSearch enables you to search large collections of data such as web pages, document files, forum posts, or product information. With Amazon CloudSearch, you can quickly add search capabilities to your website without having to become a search expert or worry about hardware provisioning, setup, and maintenance. As your volume of data and traffic fluctuates, Amazon CloudSearch automatically scales to meet your needs.
	The AWS Command Line Interface (CLI) is a unified tool used to manage your AWS cloud services. With just one tool to download and configure, you can control multiple AWS cloud services from the command line and automate them through scripts.	AWS OpsWorks provides a simple and flexible way to create and manage stacks and applications. With AWS OpsWorks, you can provision AWS resources, manage their configuration, deploy applications to those resources, and monitor their health.	Amazon Simple Workflow Service (Amazon SWF) makes it easy to build applications that coordinate work across distributed components. In Amazon SWF, a task represents a logical unit of work that is performed by a component of your application. Coordinating tasks across the application involves managing intertask dependencies, scheduling, and concurrency in accordance with the logical flow of the application. Amazon SWF gives you full control over implementing tasks and coordinating them without worrying about underlying complexities such as tracking their progress and maintaining their state.

Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
		Amazon WorkDocs is a fully managed, secure enterprise storage and sharing service with strong administrative controls and feedback capabilities that improve user productivity. Users can comment on files, send them to others for feedback, and upload new versions without having to email multiple versions of their files as attachments.	Amazon Elastic Transcoder lets you convert media files that you stored in Amazon S3 to media files in the formats required by consumer playback devices. For example, you can convert large, high-quality digital media files to formats that users can play back on mobile devices, tablets, web browsers, and connected TV sets.
		Amazon WorkSpaces is a fully managed desktop computing service in the cloud. Amazon WorkSpaces allows you to easily provision cloud-based desktops that allow end users to access the documents, applications, and resources you need with the device of your choice, including laptops, iPad, Kindle Fire, or Android tablets. With a few clicks in the AWS Management Console, you can provision a high-quality cloud desktop experience for users at a cost that is highly competitive with traditional desktops and half the cost of most Virtual Desktop Infrastructure (VDI) solutions.	Amazon Cognito is a simple user identity and data synchronization service that helps you securely manage and synchronize application data for your users across their mobile devices. You can create unique identities for your users through a number of public login providers (Amazon, Facebook, and Google) and support unauthenticated guests.
		Amazon Simple Queue Service (Amazon SQS) is a messaging queue service that handles messages or workflows between other components in a system.	Amazon Flexible Payments Service facilitates the digital transfer of money between two entities – be they humans or computers.
Amazon Web Services Offering Details	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
		Amazon Simple Email Service (Amazon SES) is an outbound-only email-sending service that provides an easy, cost-effective way for you to send email.	AWS Marketplace is an online store that helps you find, buy, and immediately start using the software and services you need to build products and run your business.
		Amazon Simple Notification Service (Amazon SNS) is a web service that enables applications, end users, and devices to instantly send and receive notifications from the cloud.	

		AWS Lambda is a compute service that runs your code in response to events and automatically manages the compute resources for you, making it easy to build applications that respond quickly to new information. AWS Lambda starts running your code within milliseconds of an event such as an image upload, an in-app activity, a website click, or output from a connected device.	
Notes	• This entire set of offerings is consumption driven. • All AWS native services are available through this contract. • List price costs can be estimated using a live calculator available here: http://calculator.s3.amazonaws.com/index.html • A description of AWS Business level support information is available here: https://aws.amazon.com/premiumsupport/business-support/		

Microsoft Azure

2. **Unisys Partner: Microsoft Corporation Public and IaaS, PaaS, and SaaS:**

The Microsoft offerings below will be provided at a 1.5% discount off the Microsoft list price including support. All support, maintenance costs and discounts will be determined based on the level and the scope of the support services requested. This offering will also include:

• Any of the product, solution sets below
• Unisys provided monthly billing and reporting as required by this contract
• Unisys provided customer enablement, contract management support, fee management, and fee disbursements as required by the MA, PA, and requirements as stated in this RFP.

Microsoft Corporation	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
Offering Details	Microsoft IaaS includes network services and virtual machines. These services can be combined with PaaS services.	Microsoft Azure PaaS is a growing collection of integrated services – compute, storage, data, application, and networking.	Office 365: Enterprise Cloud productivity and collaboration services: Office, Exchange, SharePoint, Lync, Skype for Business, One Drive for Business, and Project
	Virtual Network: Provision and manage virtual networks in Azure and securely link to your on-premises IT infrastructure.	Azure Web Apps: Build websites with I.Net, PHP, Python, Java, or Node.js and deploy them in seconds.	Microsoft Dynamics: Enterprise Cloud customer relationship management
	Express Route: Connects on premises infrastructure directly to Azure data centers without using the public Internet (will require telco connectivity).	Azure Storage: Massively scale storage in difference types.	Microsoft Intune: Enterprise Cloud PC and mobile device management

	Virtual Machines: Create new virtual machines or create and upload your own to create preconfigured virtual machines.	SQL Database as a Service	Azure Active Directory: Provides access and identity management solutions, directory services, identity governance, security, and application access and management.
	Traffic Manager: Load balance incoming global traffic across multiple services running in the same or different data centers.	Azure Compute: Quickly deploy and manage multi-tier apps, achieving continuous availability.	Azure Multifactor Authentication; Used with Azure Active directory, it allows you to safeguard access to data and applications while deploying a simple sign in process
Microsoft Corporation	**Infrastructure as a Service (Iaas)**	**Platform as a Service (PaaS)**	**Software as a Service (SaaS)**
		Azure Media Services: Encode, store, and stream video and audio at scale.	
		Azure Mobile Services: Create highly functional mobile apps that can access backend capabilities.	
		Azure Stream Analytics: Perform real-time stream processing in the cloud for IoT solutions. Create dashboards and alerts.	
		Azure Logic Apps: Develop powerful integration solutions with SaaS and enterprise applications.	
		Azure API Apps: Expose your application's AP's to your SaaS and enterprise applications.	
Notes	• This entire set of offerings is consumption driven. • List price costs can be estimated using a live calculator available here: https://azure.microsoft.com/en-us/pricing/calculator/		

Google Cloud

3. Unisys Partner: Google Public and SaaS

The Google offerings below will be provided at a 1.5% discount off the Google list price. Support will be provided by Google under the terms and conditions available here: https://www.google.com/apps/intl/en/terms/tssg.html. Additional support options are available and priced based on the scope of the engagement. This offering will also include:

- Any of the product, solution sets below
- Unisys provided monthly billing and reporting as required by the Master Agreement (MA), Participating Agreement (PA), and the requirements as stated in this RFP
- Unisys provided customer enablement, contract management support, fee management, and fee disbursements as required by the MA, PA, and requirements as stated in this RFP.

Google	Software as a Service (SaaS)
Notes: The entire set of offerings is consumption driven. List price costs can be located and estimated using a live calculator available here: https://cloud.google.com/products/calculator/	Google Apps Auth User includes the ability to define your Google Apps user identities for managing Android Applications and devices only.
	With Google Apps for Work, Education, or Unlimited, you can add on this service to set policies to route your outbound email to an encryption server for external recipients to have a way to securely receive and send email to your end users.
	Google Apps No Gmail includes Google Drive, Mobile Device Management, Groups, G+, Sites (unlimited), Videoconferencing, and VoIP.
	Google Apps for Work includes Mail, (30 GB of storage), Calendar, Google Drive, Mobile Device Management, Groups, G+, Sites (unlimited), Videoconferencing, and VoIP.
	Google Apps for EDU Unlimited, for qualifying K-12 and higher education organizations, includes Mail, Google Vault eDiscovery and Archiving (unlimited storage), Calendar, Google Drive, Mobile Device Management, Groups, G+, Sites (unlimited), Videoconferencing, and VoIP.
	Google Apps Deskless includes the same services and is intended for nontechnical workers and infrequent users.
	Google Apps Unlimited includes Mail, Google Vault eDiscovery and Archiving (unlimited storage), Calendar, Google Drive, Mobile Device Management, Groups, G+, Sites (unlimited), Videoconferencing, and VoIP
	Google Apps Unlimited Deskless customers can blend this product into their contract. This offering includes the same services and is intended for nontechnical workers and infrequent users.
	Google Vault eDiscovery and Archiving (unlimited storage)
	Google Apps Vault Deskless customers can blend this product into their contract. This offering includes the same services and is intended for nontechnical workers and infrequent users.

Oracle Cloud

4. Unisys Partner: Oracle Public and Community IaaS, PaaS and SaaS

The Oracle offerings below will be provided at a 1.5% discount off the Oracle list price. Support will be provided by Oracle under the terms and conditions available here:

https://cloud.oracle.com/en_US/saas-support. Additional support options are available and priced based on the scope of the engagement. This offering will also include:

- Any of the product, solution sets below
- Unisys provided monthly billing and reporting as required by the Master Agreement (MA), Participating Agreement (PA), and the requirements as stated in this RFP
- Unisys provided customer enablement, contract management support, fee management, and fee disbursements as required by the MA, PA, and requirements as stated in this RFP.

Oracle	Infrastructure as a Service (Iaas)	Platform as a Service (PaaS)	Software as a Service (SaaS)
Notes: The entire set of offerings is consumption driven. List price costs can be located and estimated using a live calculator available here: https://cloud.oracle.com/en_US/cost-estimator	Cloud Compute Instances - Cloud compute instances are available in two main groups: virtual machines (VMs) and bare metal machines. Both groups have a DenseIO option for high performance local NVMe SSD storage. Both groups are also available with NVIDIA Tesla GPU's (Pascal or Volta) for HPC workloads. All instances run on the same virtual cloud networks, with up to 1 PB per instance, and accessible through the same console and API set.	Oracle Cloud Platform is a comprehensive, standards-based combination of Oracle and open source technologies to enable you to more efficiently build, deploy, integrate, secure and manage all your enterprise applications. Oracle Cloud Platform is also optimized for hybrid and multi-cloud environments. For organizations with strict data residency, compliance, or latency requirements, Oracle Cloud Platform is available within your data center, fully managed by Oracle, so that you can take advantage of the agility, innovation, and subscription-based pricing of Oracle Cloud Platform even for on-premise and private cloud deployments.	Applications (SaaS): Oracle offers the most complete, innovative, and proven cloud suite of SaaS applications that enable customers to transform their business with the latest intelligent technologies such as AI and machine learning.
	Low Latency Block Storage - Reliable and High Performance Highly available, persistent, network-attached storage volumes optimized to deliver low latency and high IOPS. Backup and Restore Volumes can be backed up to highly durable, highly available object storage, and can even be restored to new volumes. Boot Volumes	With the largest PaaS portfolio of any cloud vendor, Oracle gives you a rich palette of technically integrated platform solutions designed to increase agility, lower costs, and reduce IT complexity. Integrate your data, processes, and applications, migrate workloads to the cloud,	Data (DaaS): Oracle Data Cloud provides data from a wide variety of Oracle and third-party sources, which can be used by sales and marketing to produce better business outcomes.

Manageable, durable, and versatile system boot disks are provided with Oracle Block Volumes.	and implement unified management and security- all with a single robust platform.	
Secure and Flexible Network - Virtual Cloud Networks (VCN) Fully customizable private networks enable you to easily move your existing network topology to the cloud. Network Isolation An isolated virtual cloud network, combined with dedicated physical servers ensure strong isolation, even from Oracle. Extension of On-Premises Connect to your VCN over an encrypted IPsec Virtual Private Network (VPN), or use FastConnect for a private, direct connection.	Oracle is committed to offering choice and flexibility for customers to adapt to rapidly changing business requirements, promote interoperability and avoid lock-in. To enable you to easily build, deploy, integrate and extend applications in the cloud, Oracle Cloud Platform supports numerous open standards (SQL, HTML5, REST, and more) open-source solutions (such as Kubernetes, Hadoop, and Kafka) and a wide variety of programming languages, databases, and integration frameworks.	Oracle CX Cloud Suite enables leading organizations to deliver great customer experiences throughout their customers' journey. Organizations seeking a competitive advantage are looking to Oracle to help them effectively engage their customers across physical and digital channels to dramatically improve customer retention, up-sell, and brand advocacy.
High Availability Fault Isolation - You can deploy applications in mulit-region, multi- Availability Domain (AD, or multi-fault domain configurations. ADs are are built with fully independent infrastructure such as buildings, power generators, cooling equipment, network, and servers, while fault domains partition the compute resources within an AD for further protection. High Availability Regions can contain multiple Availability Domains, connected by a high speed network backbone, And each AD contains three fault domains. Low Latency High speed network backbones enable highly reliable applications running across ADs with minimum impact to application performance.	From development and integration to security and management, Oracle Cloud Platform unlocks the productivity of your employees through comprehensive automation covering provisioning, patching, backup, tuning, scaling, and more. Get the most complete, hassle-free provisioning and lifecycle management for your entire PaaS environment.	Modern HR differentiates the business with a talent-centric and consumer-based strategy that leverages technology to provide a collaborative, insightful, engaging, and mobile HR, employee, and executive experience. Oracle HCM Cloud enables modern human resources to find and retain the best talent and increase global agility.
Flexible Image Management - Operating System Choice Support for an ever-growing list of Microsoft Windows Server and enterprise Linux operating systems such as Oracle Linux, CentOS, Ubuntu, and others. Bring Your Own Image (BYOI) Flexibility to bring and run your own operating system or hypervisor on your compute instances. Use images across	Your business processes transcend SaaS and on-premises application boundaries. Oracle Cloud Platform eliminates application silos by making it easy to integrate data and processes across Oracle and non-Oracle SaaS and on-premises applications with hundreds of out-of-the-box adapters	Streamline your enterprise business processes with ERP Cloud. With ERP Cloud's Financials, Procurement, Project Portfolio Management, and more, you can increase productivity, lower costs, and improve controls.

compute shapes (see documentation for details). Launch Images from Oracle and Partners Easily discover and launch images for Oracle Applications and third-party business applications from an expanding ecosystem of Oracle partners.	and connectors. Easily integrate and extend your SaaS applications to meet the evolving needs of your business without impacting the upgradability of your SaaS applications.	
Get native access within the Oracle Cloud Infrastructure console to new container services for deploying container native applications. It includes both a managed Kubernetes service for creating and managing clusters and a private registry for storing and sharing container images, all powered by enterprise-grade cloud Infrastructure.	Leverage multi-layered security, data encryption by default and state-of-the-art data centers so you can deploy even your most high performant, mission-critical applications. Oracle Cloud Platform offers unmatched security, scalability, availability and performance by running on best-in-class Oracle Cloud Infrastructure and providing unified identity and security management across your entire hybrid cloud environment.	Built from the ground up for the cloud and for the modern supply chain, Oracle SCM Cloud delivers the visibility, insights, and capabilities you need to create your own intelligent supply chain. With capabilities that include product innovation, strategic material sourcing, outsourced manufacturing, integrated logistics, omni-channel fulfillment, and integrated demand and supply planning, Oracle SCM Cloud is the most comprehensive SCM suite in the cloud. Oracle SCM Cloud allows you to deploy functionality incrementally, with minimal risk, lower cost, and maximum flexibility—all with the benefit of ongoing functional innovation.
A developer friendly, container-native, and enterprise-ready managed Kubernetes service for running highly available clusters with the control, security, and predictable performance of Oracle's Cloud Infrastructure. Get the latest Kubernetes updates and keep pace and compatibility with the CNCF ecosystem without the management and administrative overhead, all integrated with your Oracle Cloud Infrastructure tenancy.	Public cloud may not be a good fit for all your data and applications due to data residency, compliance, latency, or other business requirements. Oracle Cloud Platform can be deployed within a data center of choice while still offering you the same comprehensive cloud services and subscription-based pricing of public cloud, all managed and serviced by Oracle.	Oracle's market-leading EPM Cloud applications enable companies of any size to drive predictable performance, report with confidence, and connect the entire organization.
A highly available private container registry service for storing and sharing container images within the same regions as the deployments. An integrated, performant platform offering, where users can store their container images easily. Access to push and pull images with the Docker CLI, or images		Oracle Internet of Things Applications deliver a world-class set of IoT apps for enterprise assets, production lines, transportation fleets, and mobile workers. Get smart with predictive, machine learning algorithms, and quickly extend core SCM,

can be pulled directly into a Kubernetes deployment.		CX, HCM and ERP processes—with real-time IoT data and insights.
		Adaptive Intelligent Apps Amplify value across your entire applications portfolio with Oracle Adaptive Intelligent Apps. Oracle's unique design approach harnesses prebuilt connectors, enriched 3rd-party data sources, dynamic decision science, and connected outcomes to improve your business results with minimal cost and effort.
		Leverage the comprehensive Oracle product portfolio to address distinct industry-specific requirements. With solutions for financial services, communications, consumer goods and more.

Unisys Cloud Offerings

4. **Unisys Corporation: Cloud Solution Offerings:**

See itemized discounting below. Maintenance and support fees will be calculated and discounted based on the terms of the engagement with the Participating Entity.

Service Name	Service Description	SaaS / Price
CloudForte – Cloud Managed Services and Broker	CloudForte™ is a comprehensive managed services offering to help federal agencies manage and govern their Amazon Web Services (AWS) and Azure public cloud environments to accelerate the secure adoption of cloud services and cloud-native modernization and development. CloudForte™ is developed and deployed by seasoned Unisys cloud experts with mission-focused clients in mind. As State Governments look to strengthen their cyber posture, lower cost and provide better digital experiences, they are prioritizing cloud adoption as a fundamental way to achieve these goals and improve their ability to improve the lives of their Citizens. However, migration to the cloud presents its own unique set of challenges, especially around compliance and security. With a security-first mindset, CloudForte™ addresses these issues head-on, providing the necessary governance, compliance and security to protect agencies' sensitive data, without sacrificing speed and efficiency. CloudForte's services include: • Cloud Consulting • Cloud Architecture • Billing Portal • Automated governance and real-time compliance • Migration (priced per requirements) • Expert support	SaaS Only

			SaaS Only

TrustCheck	**Service Description:**
	
	The Unisys TrustCheck™ service provides detailed cyber risk measurement and prioritized guidance related to understanding, managing, and mitigating cyber risk. Unisys TrustCheck™ is powered by X-Analytics®, a patented cyber risk analytics model that evaluates the economics of cybersecurity risk. With TrustCheck™ Unisys converts the complexities of cyber security and cyber risk management into high-level financial outputs for clients that are objective, reliable, and easy to articulate. The service includes consulting, data collection, risk analysis and appraisal, reporting and periodic updates. The deliverable is access to the Unisys TrustCheck™ Portal, an online service dashboard provides:
	
	• An executive summary
	• Threat details
	• Business impact details
	• Implicit risk details
	• Control effectiveness details
	• Residual risk details
	• Cyber risk financial details
	• Prioritized guidance.
	
	Link to TrustCheck: https://www.unisys.com/offerings/security-solutions/trustcheck-cyber-risk-management
	
	Service Components:
	
	• TrustCheck One Time Setup Transition
	
	    o Provisioning of the TrustCheck portal for the customer including setting up authorized users and access as well as initializing the portal environmental and variables for the site(s) included with the service
	
	• TrustCheck Site Appraisal – annual/site
	
	    o Collection, translation, and validation of data for risk modeling with TrustCheck through interviews and other means. Updates to the data sets are completed on a frequency negotiated with the client. Appraisals for different organizational units are considered a new site which incur additional Setup Transition, TrustCheck Site Appraisal, and TrustCheck Platform SaaS fees.
	
	• TrustCheck™ platform software as a service (SaaS) subscription fee		

Service Name	Service Description	SaaS / Price
	o Access for up to five (5) users to the portal (described above). Additional sites may have up to three (3) additional users per site. **Service Fee:** Final pricing is dependent on agreement of Statement of Work (SOW), scope and schedule.	

Service Name	Service Description	SaaS / Price
SIEM as a Service	**Security Information and Event Management Service (SIEM)** The SIEM uses UNCAAP (Unisys Noise Cancellation Advanced Analytics Platform) to aggregate and correlate enterprise wide security events into actionable Incidents. The service consists of: 1. Log Collection – Collecting security and system event logs from Client Devices on Unisys managed SIEM Infrastructure. 2. Security Monitoring – Monitoring Client security event data from Client Devices for alerts that need further investigation. 3. Security Analytics – Analyze Client security events from Client Devices for security threats to the Client IT infrastructure under the contracted monitoring scope using Unisys SIEM Infrastructure for automated event correlation and Unisys technical resources. 4. Security Incident Response – Unisys will respond to qualified security Incidents from Client Devices as per the Incident response plan created during Transition. 5. Unisys Portal – Provide Client with access to a secure Unisys Portal. The Unisys Portal provides Client with a view of Client security data, deliverables and reports related to the Services. The portal also provides an interface to the Client to log and update service related Incidents and Change Requests. 6. Dedicated Client Security Analyst (CSA) – Provide a dedicated Client Security Analyst who is the Unisys appointed SPOC to the Client for technical service delivery of various aspects of the Services. The CSA will also be the highest point of technical escalation for matters relating to the Services. 7. Unisys Portal - Provide access to a secure portal enabling access to service related reports and provide an interface for service operations and management activities.	See Security as a Service tables below

Security device management as a service includes system monitoring of a device, including availability and system health. Unisys provides security monitoring via Unisys Security Information and Event Management (SIEM) services, which is a separate state-of-the-art service.

The security device management service offered by Unisys encompasses the following device types:

- Firewall devices
- IPS devices
- IDS devices
- UTM devices
- VPN appliances
- Web proxy appliances
- Load balancer appliances.

See Security as a Service tables below

Security Device Management as a Service

Activity	Sub-tasks
Incident Management	Device up/down status updates Interface up/down status updates
Change Management	Modify system settings Modify system policy Modify other device configuration Perform content updates Perform firmware/OS updates Perform user access management activities
Capacity Management	Monitor throughput Monitor disk space Monitor resource utilization Alert on critical resource consumptions
Configuration Management	Define configuration item Identify and register configuration item (CI) Perform CI Audits Configuration Management Database (CMDB) change control
Service level Management	Perform service-level tracking Perform service-level reporting
Problem Management	Identify problem or recurring incidents Perform root cause analysis If problem identified with Unisys managed device, work towards giving a permanent fix to the problem with vendor support
Knowledge Management	Maintain knowledge base
Vendor Management	Track and update support contracts Work with vendor to get bug fixes Escalate issues to vendors and follow up until a fix has been found

Service Name	Service Description	SaaS / Price
	The main interface between the client and Unisys is the service portal providing secure access to service dashboards, incident and change management, reporting management and service management menus. The content varies depending on the services taken, however the Portal provides single or dual factor authentication of users, granular role based access controls and full audit functionality. The Portal supports all main internet browsers and is accessed over the internet.	
Vulnerability as a Service	Unisys will deploy Qualys Virtual Scanner Appliances. These appliances will be used by the centralized cloud-based Qualys portal. Unisys will be responsible for management and monitoring of these virtual appliances. Additional appliances may be required if the existing infrastructure is not sufficient to scan the IP addresses or there are significant changes in the environment. Additionally, Unisys will provide remediation governance/support services by raising Changes/Incidents based on the results of quarterly vulnerability scans. Unisys will track, monitor and provide reporting for these Changes/Incidents. Unisys will provide Vulnerability Management Services that may encompass a range of activities that include threat intelligence, scanning, vulnerability assessment, tracking, exception and review processes, and patch management. We understand that for this proposal, Vulnerability Management Services will be constrained to the following activities: • Integration of threat intelligence in vulnerability management • Scanning of network and end point vulnerabilities • Tracking and reporting of vulnerabilities. Unisys will provide Vulnerability Management Services in compliance with client's policies and standards. Unisys Vulnerability Management Services will help the client assess their infrastructure for known vulnerabilities. These devices can be either in the cloud or in the client's own data center. The following table provides information on each life cycle management phase of our approach.	See Security as a Service tables below

Vulnerability Life Cycle Management Phases	Description
Asset Identification	This is the first phase in vulnerability life cycle management. This phase involves identifying critical assets that need assessment.
Asset Prioritization	The resources undergoing vulnerability assessment should be grouped and assigned priority levels to facilitate remediation efforts. Resource grouping and prioritization is helpful in assessing risk to systems and should be used to help identify which systems may require the special attention of the patch and vulnerability management program. Vulnerability assessment is a resource-intensive exercise for network and server resources that are

Service Name	Service Description	SaaS / Price
	assessed. Unisys recommends carefully planning this activity and prioritizing servers for scanning and subsequent remediation activities to avoid any unnecessary and unexpected service downtimes of most critical assets because of exploitation of vulnerabilities.	
Environmental Changes	Unisys performs necessary changes in target infrastructure to support scan activity. These changes include modifying firewall rules, creating VPNs, and adding routing.	
Vulnerability Assessment	This phase is preplanned and prescheduled. It consists of vulnerability scanners at the Unisys end that scan client target devices to look for symptoms of vulnerability.	
Vulnerability Prioritization	This phase is initiated once system vulnerabilities are assessed. It involves prioritizing discovered vulnerabilities to start acting on them.	
Vulnerability Reporting	This phase identifies and prioritizes various vulnerabilities to set the focus for the rest of the phases in the management life cycle.	
Vulnerability Remediation (not included)	This is a key phase on any vulnerability management project; it involves remediating the vulnerabilities that were prioritized in the earlier phase. Unisys will provide the Remediation /Support as described below: 1.Preparation of Scan Environment: Before running a Scan, the Unisys Project Manager will open a Change Request (CR) to handle activities such as: • Opening Firewall ports • Network changes needed for the Scan environment readiness for Unisys • Provide network data to Client for VPN connectivity • Client will provide the Network Access • The Change Request (CR) will be kept open until the scan is completed. 2.Close "Preparation of Scan Environment" CR • The Project Manager will coordinate with resolver groups to close the CR upon completion of scan 3.Review of Report by Unisys Security Officer • Scan report will be reviewed by Security Officer. Severities will be identified and a recommendation report will be shared with Client.	

Service Name	Service Description	SaaS / Price
	4.Raising Incidents/Changes based on recommendations from Security officer • Client will push the Critical/High/Medium Vulnerabilities remediation via the mutually agreed "Incident/Change Processes". 5.Incidents/Change Closure Tracking • The Unisys Project Manager maintain a tracking log of open incidents in the Qualys tool, and provide a summary reports for management review based on the timelines agreed between the client and Unisys. *Step 1 to Step 5 are then repeated for a re-Scan to identify and report against remediation achieved in Client environment. **NOTE that remediation of the affected systems remains the responsibility of the Client.**	
Vulnerability Tracking	Once a vulnerability is identified, all efforts should be made to remediate it; because of the criticality of vulnerability and other organizational reasons, they do not get remediated. These vulnerabilities should be tracked for further action and may be masked to minimize ill effects that may arise.	

Security as a Service Pricing

Monitoring Packages (per year) - US Based Resource						
MPS Volume	**(S) 100-250**	**(P1) 250-500**	**(P2) 501-750**	**(P3) 751-1000**	**(P4) 1001-1250**	**(P5) 1251-1500**
Total Package Price per Year	**$ 57,554**	**$ 90,681**	**$ 116,968**	**$ 146,162**	**$ 174,595**	**$ 200,544**
Packages Include						
Labor Source	100% On-Shore (US based)					
Log Archive Storage per Year	75GB	250GB	400 GB	500 GB	750 GB	1 TB
Standard Reports:	5	5	5	5	5	5
• *Customer may select from standard available LogRhythm reports*						
• *1 compliance pack*						
Monitoring Agents	Pro Agents – 1	Pro Agents – 2	Pro Agents – 3	Pro Agents – 5	Pro Agents – 5	Pro Agents – 6

	Lite Agents – 2	Lite Agents – 3	Lite Agents – 4	Lite Agents – 6	Lite Agents – 9	Lite Agents – 10
Restrictions						
Datacenters	Up to 2 Client Sites					
Average Number of Incidents per Month	3	10	15	20	25	30
One-Time Price for Additional Compliance Packs (up to two max)	Not Available	$ 50	$ 100	$ 150	$ 200	$ 250

Security Device Management (SDM) Firewall Packages One-Time Set-up Cost		
SDM Firewall Packages	**New Firewalls**	**Existing Firewall Takeover**
Small (1 -150 rules)	$ 5,357	$ 1,902
Medium (151-350 rules)	$ 5,556	$ 2,101
Large (>350 rules)	$ 6,264	$ 2,808

SDM Firewall Packages (US based resources) On-Going Support			
Description		**Price per Month**	**Price per Year**
Small (1 -150 rules)	2 Changes per Month	$ 1,761	$ 23,033
Medium (151-350 rules)	5 Changes per Month	$ 3,829	$ 48,045
Large (>350 rules)	8 Changes per Month	$ 6,138	$ 76,462
Price per Additional Change per Month		$ 566	$ 6,796

Security Device Management (SDM) IDS/IPS Packages One-Time Set-up Cost		
SDM IDS/IPS Packages	**New IDS/IPS Set-up**	**Existing IDS/IPS Takeover**
Small (3 Changes/Month)	$ 4,871	$ 1,415
Medium (10 Changes/Month)	$ 5,092	$ 1,636
Large (18 Changes/Month)	$ 5,191	$ 1,736

SDM IDS/IPS Packages (US based resources) On-Going Support		
Description	Price per Month	Price per Year
Small (3 Changes/Month)	$ 1,791	$ 21,489
Medium (10 Changes/Month)	$ 4,977	$ 59,729
Large (18 Changes/Month)	$ 8,785	$ 105,419
Price per Additional Change per Month	$ 441	$ 5,293.68

VMS Packages (US based resources)			
Package Scope	One-Time	On-Going Price per Month	On-Going Price per Year
Scanning up to 256 IP's	$ 2,864	$ 1,329	$ 15,948
Scanning > 256 up to 512 IP's	$ 3,044	$ 1,796	$ 21,548
Scanning > 512 up to 1024 IP's	$ 3,044	$ 2,475	$ 29,700
Additional Qualys Scanner			$ 995

Unisys Stealth License & Support				
Description	Total Server License Quantities	License Term	Price (per server / per month)	Price (per client / per month)
Stealth Server License and Support - Tier 1	1-499	12 months	$ 29.06	$ 4.80
Stealth Server License and Support - Tier 2	500-999	12 months	$ 23.16	$ 4.02
Stealth Server License and Support - Tier 3	1000-4999	12 months	$ 18.18	$ 3.16

Unisys Public Sector Solutions

Unisys Public Sector Solutions	Description	Availability (Public, Private, Community, Hybrid) (IaaS, PaaS, SaaS)	Discounting
Unisys Justice Law Enforcement and Border Security Solutions for the Cloud			
Law Enforcement Switch and Justice Exchange (LEMS)	The Unisys Law Enforcement Message Switch/Justice Exchange (LEMS/JX™) is a message switch designed specifically to support the exchange of law enforcement and criminal justice information. The solution enables users to easily access disparate information from various federal and state criminal justice information systems. The LEMS/JX™ meets government agencies' needs for a proven, reliable, and open systems message switch that complies with the unique requirements of the criminal justice information exchange. LEMS/JX™ is an open architecture solution that provides the following key capabilities: • Allows users to access and manage information in federal and state criminal justice information systems • Connects disparate criminal justice information systems using asynchronous messaging in the format and protocols native to each information system • Supports a wide variety of message formats and protocols that use powerful, configurable, and flexible message processing and interface capabilities • Provides guaranteed message delivery with high availability and high performance using message store and forward capabilities • Acts as the control terminal message switch for systems such as NCIC 2000 and Nlets that require connection to a single system in a state • Supports the latest information sharing technologies and standards • Integration with legacy technologies LEMS/JX™ provides access to information in the following systems: • FBI National Crime Information Center (NCIC) • Nlets (The International Justice and Public Safety Network) • National Weather Service (NWS) • Division of Motor Vehicles (DMV) • Computerized Criminal History (CCH) system • State Hot Files • Other criminal justice information held by the state • Integrated Justice Information Sharing Systems	All	5% off list
Unisys Social Services Solutions for the Cloud			

State/Local Government Enterprise Regulatory System (AMANDA)	The Unisys AMANDA Platform (from CSDC) is designed to provide a collection of back office functions such as Licensing, Permitting, Inspections, Land Use, Planning and a number of other functions in various form factors (desktop, mobile and tablet) and can also be deployed either on premise, hosted, or delivered via the Cloud. The solution includes the design, delivery, deployment and ongoing support and maintenance of the solution. The AMANDA platform can be configured specific to client needs in order to extend its functionality and interface with other systems as required.	All	5% off list

Unisys Public Sector Solutions	Description	Availability (Public, Private, Community, Hybrid) (IaaS, PaaS, SaaS)	Discounting
InfoImage	Unisys InfoImage is the Enterprise Content Management (ECM), Business Process Management (BPM) and Record Management (RM) solution for organizations looking to significantly improve business processes that depend heavily high-volume paper documents, documents generated from Internet transactions, Office documents, and other electronic documents that need to be accessed for automated and manual processes. InfoImage can easily capture, manage, store, and access the content required for cases, inquiries, and process-centric work, regardless of data structure or document origination, with a single intuitive user interface. Unisys InfoImage brings together ECM, imaging, workflow, document management, record management and integration technologies to form an integrated end-to-end solution.	All	5% off list
Stealth	The Unisys Stealth software-defined security portfolio delivers consistent, inimitable security for global enterprises focused on protecting data in their data center, cloud, and mobile infrastructures. We built a better way to deal with advanced threats for our clients by applying novel approaches to new threats. By substituting traditional hardware topology for software-based cryptography, our Stealth Microsegmentation solutions prevent unauthorized access to sensitive information and reduce the attack surface, thereby making end points invisible to unauthorized users.	Private and Hybrid Cloud Only. For Public and Community Cloud, see AWS offering above. IaaS, PaaS and SaaS	5% off list
VantagePoint	VantagePoint can also extend beyond the boundaries of IT with uses cases to support relevant business scenarios in, • Security: Strengthens the security posture of organizations through greater visibility into the Stealth enabled infrastructure. • Advanced Data Analytics: Cuts across data silos and sources relevant data to optimize the performance of Advanced Analytics solution. • Cloud and Infrastructure Services: Enables hybrid IT by seamlessly integrating with a variety of data sources and services and presenting them via a digital control panel, irrespective of technology underpinnings. • End User Services: Supports millennial users via personalized and secure access to relevant data and services, across endpoints. • Service Management: Cuts across ITSM platforms to improve service delivery through service automation, orchestration, and aggregation capabilities. • Facilities/Crisis Management: Helps organizations monitor their facilities and keep their Facilities Managers abreast of any security threats and risks. Also acts as a standard communication vehicle for users at times of crisis. (178)	Private and Hybrid Only IaaS, PaaS and SaaS	5% off list

• Facilities/Crisis Management: Helps organizations monitor their facilities and keep their Facilities Managers abreast of any security threats and risks. Also acts as a standard communication vehicle for users at times of crisis. (178) • With VantagePoint, our clients gain a personalized, secure, and intuitive data and service aggregation platform that cuts across strategic and operational dimensions of business and accelerates digital transformation.		

Unisys Public Sector Solutions	Description	Availability (Public, Private, Community, Hybrid) (IaaS, PaaS, SaaS)	Discounting
Unisys Cloud Hosting	Unisys Hosted Private Cloud Services provide businesses and governments a comprehensive cloud architecture that gives customers cloud on their terms. We can provide, integrate and scale the cloud infrastructure to meet client's needs. Our management platform enables a single pane of glass to effectively manage client's workloads. Unisys Hybrid Cloud Services provide businesses and governments a comprehensive cloud architecture that gives customers cloud on their terms. We can source, integrate and scale commodity infrastructure such as Microsoft Azure and Amazon Web Services. Our management platform enables a single pane of glass to effectively manage a variety of clouds within an organization, whether they be public or private.	All	5% off list
ServiceNow	ServiceNow offers enterprise service management software for human resources, law, facilities management, finance, marketing, and field operations in the cloud. ServiceNow has its STAR SelfAssessment available on the CSA's website. ServiceNow specializes in ITSM applications and provides forms-based workflow application development. ServiceNow has open integration options to variety platforms such as: Salesforce, SharePoint, and BMC Remedy Action Request System.	All	5% off list
Unisys ClearPath Forward!	Unisys ClearPath Forward is an Intel based fabric computing platform designed to run business critical applications that require predictable performance and low transport latency. The ClearPath Forward platform provides hardware partitioning technology similar to the Mainframes, but is designed to run Enterprise Windows and Linux operating environments on commodity server hardware. The fabric interconnect included with the ClearPath Forward platform provides contemporary transport speeds or higher. The ClearPath Forward platform fabric can be used in a hybrid mode with industry available virtualization technologies including VMware® and Docker®.	Private and Hybrid Only IaaS, PaaS and SaaS	3% off list

Unisys White Label Offerings	Unisys has strategic, long lasting relationships in the industry and is pleased to offer our partner products surrounding the cloud market space. This is an evolving list. Our current partner list includes: Oracle, VMware, DELL EMC, Okta, Box, DRFortress and MicroPact.	All	5% off list

Third Party SaaS Solutions

Unisys Public Sector Solutions	Description	Availability (Public, Private, Community, Hybrid) (IaaS, PaaS, SaaS)	Discounting
NICE InContract	**Service Description:** The NICE inContact CXone platform provides cloud based call center functionality with Omnichannel Routing, Analytics, Workforce Optimization, Automation and Artificial Intelligence—all built on an Open Cloud Foundation. • CXone Omnichannel Routing: Connect customer journeys across any channel by empowering agents to provide quick, personalized, and proactive service. • CXOne Analyitcs: Turn insights into results by making data relevant, easy to consume, and actionable to drive measurable improvements. • CXOne Workforce Optimization: Unlock the potential of your team by inspiring employee self-improvement and amplifying agent quality management efforts. • CXOne Automation & AI: Streamline service delivery by providing agent-assisted and fully automated actions that eliminate mundane tasks and speed resolution of customer issues. • CXOne Open Cloud Foundation: Power rapid innovation with an extensible enterprise-grade platform that scales securely, deploys quickly, and serves customers of all sizes globally. • NICE inContact SaaS Contact Center Solution with CXone is quoted as a custom SaaS implementation. Please contact you Unisys Sales or Client Executive for pricing.	SaaS	Custom based on volume

	Service Components: **Agent:** • NICE inContact CXone ACD / IVR (per Configured User) • NICE inContact CXone FedRAMP (per Configured User) • NICE inContact CXone Additional Configured Universal Port • NICE inContact CXone ACD Call Recording • NICE inContact CXone Additional Active Storage • NICE inContact CXone Long Term Storage • NICE inContact CXone Long Term Storage Retrieval **Support:** • NICE inContact CXone Enterprise Monthly Success Package **Implementation Services include:** **Central:** • NICE inContact CXone with Central • NICE inContact CXone Enterprise Plus – Professional Services Implementation • NICE inContact CXone Additional 25 Menu Options DTMF Navigation (4) • NICE inContact CXone Additional 50 Point of Contact Based Routing (6) • NICE inContact CXone ACD Training: Core plus Workforce Intelligence • NICE inContact CXone CRM Driven ScreenPOP/Call Routing Implementation (2) • NICE inContact CXone Scripting Training: Web Integrations • NICE inContact CXone Enterprise Onboarding Package (6 days onsite with the Onboarding Manager during go-live)		
Hawaiian Telcom	**Service Description:** **ABOUT HAWAIIAN TELCOM** Hawaiian Telcom (HT) has been the State of Hawaii's Local Exchange Carrier (LEC) for over 135 years. With a combined employee count of approximately 1,300, Hawaiian Telcom is the largest provider of information technology services in the State of Hawaii. HT's Advanced Services portfolio includes: • Physical Colocation • Cloud Computing • Disaster Recovery • Off-site Backup • Managed Network & Security • Consulting & Professional Services **Physical Colocation** Hawaiian Telcom maintains two data centers in Hawaiʻi to offer customers a solution that meets their needs for colocation, backup and disaster recovery solutions. Our Honolulu colocation site, Endeavor, is a Tier 3 data center featuring state-of-the-art power, environmental, and security systems that allows us to achieve **99.999%** service-level guarantee on power and environmental controls. • Favorable geographic location outside flood and emergency evacuation areas	IaaS, PaaS	15% *See Amendment #5 for Pricing information*

- 24/7/365 security personnel providing financial-grade protection
- SSAE18 (SOC I and SOC II) type 2 audits completed on physical and virtual colocation solutions
- Adheres to ISO 14644 Class 7 or better clean-room environmental rating
- Power cleanup and redundancy provided via Uninterruptable Power Sources (UPS) and redundant generator backup with a minimum of 5-day fuel supply
- Fire suppression and control systems
- Client workroom with computer, printer, phone and Internet access

As an alternative to Oahu-based colocation services, Hawaiian Telcom maintains a facility on the west side of the island of Hawai'i at Kawaihae. This location is ideal for Oahu-based customers that need a backup or DR site off-island in a safe and secure facility.

Cloud Computing

For organizations ready to leave their physical servers behind and the need to maintain them, we offer the ability to move workloads offsite while keeping them hosted in Hawai'i at our secure Tier 3 data center facility. Customers receive the same benefits of traditional data center space, power and cooling without having to provide and manage physical servers, disk storage arrays, operating system licensing and backup solutions.

Our Cloud Computing infrastructure is housed in our Endeavor data center and built and refreshed with industry leading technology solutions.
- Flexible virtual machine sizing (vCPU and memory)
- Hypervisor, Windows Server and Linux operating system licensing included with
    - virtual machines
- Storage provided on RAID-based high performance SAN
- VMware Integrated OpenStack (VIO) GUI portal and API for managing VMs quickly and efficiently
- Windows Remote Desktop Services and Exchange SAL, SharePoint Server, SQL Server, and other Microsoft licenses available for rental

Customized Hosting Solutions

In addition to our standardized hosting solutions, HT is able to customize a hosted private cloud environment sized and tailored to your needs. Customized solutions can be located in one of our Hawaii data centers, on your premise, or at a Mainland U.S. data center location.

Backup and Disaster Recovery

With organizations so reliant on digital information, it's critical to have a secondary location where data is backed up, or where critical workloads can be spun-up. A disaster recovery scenario could be caused by something as simple as loss of power or network connectivity at your primary hosting site, or a natural disaster that causes permanent damage to facilities and equipment. Hawaiian Telcom has access to multiple sites in Hawai'i or on the Mainland to house back-ups or replicated virtual machines.

For virtual machines and data hosted at Endeavor, we offer fully managed or self-serve Veeam backup solutions. RPO and Retention policies can be customized to meet specific customer requirements. In addition to our standard backup services, we offer customers with Veeam to house secondary back-ups in our Cloud Repository.

Managed Network and Security Solutions

Hawaiian Telcom maintains the largest locally staffed managed solutions practice in Hawai'i. We partner with leading security and network technology manufacturers to offer cutting-edge managed solutions. Your organization depends on your network operating at its best without disruption. This requires day-to-day maintenance and operational support that is costly to manage and sustain internally.

Instead of the "build-your-own" approach, leverage the expertise and state-wide reach of Hawaiian Telcom to monitor and manage your data network 24/7/365, and ensure the stability and quality of your vital communications infrastructure. With Hawaiian Telcom's Network Management services, we allow you to focus on strategic initiatives.

Our range of network solutions includes:
- **Device availability and performance monitoring** – We provide around-the-clock monitoring of your equipment's health to detect degraded or out of service conditions so you can be alerted.
- **Device configuration management** – During the onboarding process we assess your equipment and configurations to optimized performance and security. We regularly backup configurations, upgrade firmware and execute critical patches. If failures occur, we work with the hardware vendor to resolve software issues and any hardware replacement.
- **Turnkey network solutions** – We can provide managed routers, switches, firewalls and Wi-Fi solutions on a monthly rental basis. We take care of the procurement, installation, configuration and ongoing management and monitoring for a monthly charge. No need to track maintenance contracts or device upgrades and lifecycles.

Hawaiian Telcom's Managed Security Services provide a comprehensive solution for your IT security requirements. Our core services ensure your network is protected 24/7 and features programs designed to help you meet your compliance obligations.

Our certified security experts are also available to provide a full range of professional security services including penetration tests, security assessments, InfoSec program development, employee security awareness training, incident response and forensic analysis. Our solutions and goals are to ensure your organization is striking the right balance between securing your environment and doing business efficiently.

Hawaiian Telcom offers a range of consulting and standardized services such as:
- Assessment & Planning
- Monitoring & Management
- Threat & Incident Response
- Managed Firewalls
- Breach Radar – Client-side security monitoring detects and alerts attempts to compromise computer systems, networks and sensitive data

Professional Services

Hawaiian Telcom maintains a staff of highly skilled network and security professionals with certifications from top vendors and industry organizations. These professionals are available to augment your staff in the areas of network engineering, cyber security services, and data center and cloud services. Services include assessments, design,

	incident response, policy development and business continuity and disaster recovery planning.		
MICROPACT	**Open Architecture, Low-code, Application Development Platform for Case Management:** Based on open standards, open architecture, and platform independence, entellitrak is exceptionally portable, interoperable, and extensible. Its java-based low-code approach helps clients avoid vendor lock-in. It offers robust, flexible case management functionality specifically designed for government use. **Highly Configurable for Rapid Solution Delivery:** entellitrak is continuously configurable and infinitely scalable. It can be configured in a fraction of the time and cost required for custom software development or traditional BPM implementations. This high level of configurability also enables entellitrak-based solutions to evolve over time so they never become obsolete. **Data-First™ Approach:** entellitrak's Data-First approach enables developers to begin configuring applications immediately and layer on policies and processes over time. Starting with data (as opposed to processes) is also more inclusive and makes it easy to connect with stakeholders throughout the organization, promoting engagement, buy-in, and system adoption. **Domain Expertise and Public Sector Focus:** We refer to it as "the power of the platform plus domain expertise." In addition to our government Case management platform, our sales, application engineering, delivery, and support teams are all vertically focused. They are experts in their respective domains: Health, Human Services & Benefits, Justice & Law Enforcement, Regulatory Enforcement & Licensing, and Human Capital. **Proven Throughout the Public Sector:** From Health, Human Services & Benefits, to Justice & Law Enforcement, to Regulatory Enforcement & Licensing, and Human Capital, entellitrak is trusted by more than 200 agencies and offices throughout the federal, state, local, and higher education sectors. **About MicroPact** For more than four decades, MicroPact has focused on delivering powerful, adaptive, case management products that transform the way organizations deliver successful outcomes. Today MicroPact solutions serve 98% of U.S. states, 97% of federal agencies with 500 or more employees, and enjoy a 97%	SaaS	Custom

	annual renewal rate. MicroPact, the passion and technology that is transforming government.		
FARO Consulting	The FARO PaaS provides our clients the ability to enable legacy applications, like Mainframes applications, to look and act like a Private Cloud through their service layer. Though clients want to modernize from mainframe to cloud, often the budget and time is not available to do so. FARO PaaS enables agencies to modernize to cloud at their pace while enabling service and data sharing to other applications in a cloud like fashion with consulting assistance from Cloud Consulting experts. FARO PaaS is the Unisys response to what the market is requesting. **Service Description:** The FARO PaaS solutions specifically targets operational challenges that many Public Sector Agencies have. The service provides the following attributes: • Solutions are pre-engineered so there is more configuration than custom development • Services include include cloud hosting, application features and functionality, as well as a user administration portal • Agency data remains owned by the Agency throughout the term of your FARO license agreement • FARO PaaS is hosted in a FedRAMP accredited cloud conforming to NIST 800-53 rev 4 and meets ISO and HIPAA compliance requirements • Expert Cloud Architects and Consultants **Service Offerings:** • Government Data Hub PaaS • Forms and Workflow PaaS • Client Relationship Management • Cloud DevOps for Agile Government **Service Fee:** Final pricing is dependent on agreement of Statement of Work (SOW), scope and schedule.	PaaS, SaaS	Custom, See Table

Government List Pricing (Annual Subscriptions)

SKU	Title	2019 (Final)	2020*	2021*
FAROHerculesHub2019	**Hercules Data Hub & API Gateway**	$ 2,495,000.00	$ 2,619,750.00	$ 2,750,737.50
FAROHerc-Arena-2019	Hercules - Arena DevOps Module	$ 225,000.00	$ 236,250.00	$ 248,062.50
FAROMont-Case-2019	Hercules - Case Management Connector Module	$ 350,000.00	$ 367,500.00	$ 385,875.00
FAROHerc-Don-2019	Hercules - Donau Analytics Module	$ 275,000.00	$ 288,750.00	$ 303,187.50
FAROHerc-MFC-2019	Hercules - Makapu'u Mainframe Connector Module	$ 585,000.00	$ 614,250.00	$ 644,962.50
FAROHerc-Porto-2019	Hercules - Porto Workflow Module	$ 225,000.00	$ 236,250.00	$ 248,062.50
FAROHerc-RamBRE-2019	Hercules - Ramsgate Business Rules Module	$ 390,000.00	$ 409,500.00	$ 429,975.00
FAROHerc-Sab-2019	Hercules - Sabine Integration Module	$ 250,000.00	$ 262,500.00	$ 275,625.00
FAROHerc-Sambro-2019	Hercules - Sambro Portal	$ 195,000.00	$ 204,750.00	$ 214,987.50
FAROPravCRM22019	**Pravia CRM Solution**	$ 1,950,000.00	$ 2,047,500.00	$ 2,149,875.00
FAROVermCloud2019	**Vermillion Cloud Standard**	$ 125,000.00	$ 131,250.00	$ 137,812.50
FAROVermCloud-Exp-2019	Vermillion Cloud - Expansion	$ 59,500.00	$ 62,475.00	$ 65,598.75
FAROVermCloud-HA-2019	Vermillion Cloud - High Availability Expansion	$ 250,000.00	$ 262,500.00	$ 275,625.00
FAROVermCloud-FR-2019	Vermillion Cloud - FedRAMP Expansion	$ 250,000.00	$ 262,500.00	$ 275,625.00

"*" = Government List Pricing for any future year is an estimate until listed as "Final"

Unisys Corporation: Professional Services

The following professional services are available to Participating Entities. These services are provided by Unisys in accordance with time and materials.

Unisys Professional Services	Service Description	Price

Infrastructure Cloud Assessment with Tool Based Modeling	**Infrastructure Cloud Assessment with Tool Based Modeling**
	
	This is a consulting based service provided on a per engagement basis. An approved Statement of Work (SOW) will be developed for each order.
	
	• Up to two hundred (200) servers and a maximum of five (5) applications
	• Deploy cloud discovery and fitment tools on infrastructure supporting target application(s)
	• Perform discovery activities
	• Based on Unisys Fast Track Assessment Methodology, deliver a migration solution including estimated configurations for the cloud and a migration approach and roadmap
	  - The cloud configuration will be determined by tool-based performance right-sized estimates
	• Key Activities
	  - Review provided documentation
	  - Evaluate for best operations in cloud (AWS & Azure)
	  - Develop recommendations and roadmap
	  - Provide report
	• Agency needs to provide the following:
	  - Application infrastructure data
	  - Complete a Workshop / Questionnaire
	  - Credentials to connect using discovery tool
	  - Network access to connect to discovery tool
		$56,227

Infrastructure Cloud Assessment with Tool Based Modeling	**Infrastructure Cloud Assessment with Tool Based Modeling**
	
	This is a consulting based service provided on a per engagement basis. An approved Statement of Work (SOW) will be developed for each order.
	
	• Up to fifty (50) servers and a maximum of three (3) applications
	• Perform discovery activities
	• Based on Unisys Fast Track Assessment Methodology, deliver a migration solution including estimated configurations for the cloud and a migration approach and roadmap
	  - The cloud configurations will be based on the current configurations
	• Key Activities
	  - Review provided documentation
	  - Evaluate for best operations in cloud (AWS & Azure)
	  - Develop recommendations and roadmap
	  - Provide report
	• Agency needs to provide the following
	  - Application infrastructure data, including but not limited to CPU, Memory, OS, Storage, Applications and Services installed on Server
	  - Participation in a Unisys conducted Workshop and completion of Questionnaire
		$32,624

Unisys Professional Services	Service Description
Cloud Advisory Services	Unisys Cloud Advisory Services provide strategic and financial guidance on aligning IT with business objectives. This starts with a roadmap that outlines the vision of a Hybrid IT based on a combination of existing data center, internal cloud, and external cloud resources to provide agility, flexibility, and control.
Data Center Planning, Design, and Implementation Services	Unisys Data Center Planning, Design, and Implementation Services offer a complete range of services that delivers a cohesive, end-to-end optimization of data centers. With a wide range of services for discovery, analysis, optimization, virtualization, consolidation, and migration of data centers that can complement client efforts and fill gaps in skills and capacities and a combination of world-class people, processes, and technology with the program and project management expertise, Unisys transforms clients' existing data centers to a business engine that provides agility at a lower cost.
CloudBuild Services	Unisys CloudBuild Services enable organizations to successfully build a cloud that is integrated with the overall business process, transforming their existing infrastructure to an agile IT-as-a-service model. The Unisys "8-Tracks" model, a 360degree cloud view approach, covers eight critical data center domains. Together with ConOps, which includes industry best practices, Unisys enables your cloud infrastructure to meet the security, regulatory, and compliance requirements that enable us to deliver the most secure and reliable cloud in the marketplace.
Hybrid Cloud Strategy	Unisys Hybrid Cloud strategy helps organizations overcome key challenges when planning to implement a cloud environment. We provide governments and businesses with a comprehensive cloud architecture that gives clients cloud on their terms. We can source, integrate, and scale commodity infrastructure such as Microsoft Azure and Amazon Web Services. Our homegrown VantagePoint management platform enables a single pane of glass to effectively manage a variety of clouds in an organization, whether they be public or private.
Unisys Platform Services	
Platform Assessment Services	Unisys Platform Assessment Services enable governments and businesses to foster their platform adoption initiatives. We analyze organizations' business goals and objectives along with their technology landscape of their enterprise application portfolio and recommend a best-fit Platform Suitability Analysis to help them make the right decision in their move to PaaS
Architecture Design Services	Unisys Architecture Design Services assist governments and businesses with designing an effective architecture suited for cloud. We provide several concepts and best practices that are essential to build highly scalable applications in the cloud – be it on-premises, public, or hybrid.
PaaS enablement Services	Unisys PaaS enablement Services analyze an organization's current set of applications and provide a strategy to use the best practices and engagement models of various platform providers such as Microsoft Azure, AWS, IBM Cloud, and SAP HCP.
Application Migration Services	Unisys Application Migration Services assist organizations in their cloud migration activities by using tools and frameworks adhering to Unisys best practices that promise minimal downtime without affecting the day-to-day business processes.
Application Portability Services	Unisys Application Portability Services help organizations in developing cross-platform applications that can be scaled across multiple cloud platforms.
Application Development Services	Unisys Application Development Services assist organizations with building rich, interactive applications focused on business logic and workflows using visual tools as well as cloud-based tools, architectures, and services that make their applications cloud ready.
IoT Development Services	Unisys IoT Development Services enable organizations to use IoT Services across various cloud platforms that enable apps to communicate and consume data collected by the connected devices, sensors, and gateways.
API Management Services	Unisys API Management Services provide a solution that addresses the aspects of the application programming interface for on-premises and cloud environments and offer capabilities to create, run, manage, secure and monetize APIs and microservices that deliver an integrated user experience and enable rapid deployment and simplified administration of APIs.

Unisys Corporation: Labor Rates

Unisys is pleased to provide the following labor categories to support the Participating Entities.

Title	Rate Per Hour	Role Descriptions
Transition Manager	$124.45	Manages programs of moderate risk and complexity or may have deputy responsibility for a large program. Is frequently involved simultaneously in several programs. Oversees program budget and schedules prepared by subordinate staff. May have supervisory responsibilities, including hiring, firing, and salary and performance management. May have primary responsibility for program growth. Serves a primary client contact. The total value of programs under this manager's responsibility is $10 million to $50 million over the life of the contract, not annually. (For India, the incumbent manages a project team of 100 to 200 employees.) May be responsible for programs of a lower dollar value if they are more complex or developmental. This description does not include engineers or other individuals who are temporarily assigned program management responsibilities and technical functional managers for a program.
Project Manager	$124.45	Oversees one or more of the following: hardware/software architecture, operating systems, system configuration and control, and Cloud Migration projects. Provides subordinates with guidance based on organizational goals and company policy. Accomplishes results through subordinates' meeting schedules and resolving technical or operational problems. Develops and administers budgets, schedules, and performance standards. Assists in the development of overall objectives and long-range goals for the assigned area. Manages employees with higher skills, more than two clients, projects that are medium to complex. Has more project management and transformation responsibilities.
Quality Assurance Manager	$137.72	Provides data-driven analysis of business processes; helps to implement improvements in the client focus, efficiency, accuracy, and effectiveness of these processes. Delivers champion awareness training; implements business processes in organizations. Provides expertise in external standards and validations (e.g., ISO 9000). Proficient in a wide range of improvement tools, including statistics. Leads and directs a team of professional individual contributors with specific assigned program objectives. Interprets and applies policy; translates goals to programs and projects.
Lead Cloud Architect	$202.43	This role is subject to Unisys billing rates as well as productivity, utilization, and total chargeability metrics. Only billable/direct client chargeable employees are to be assigned to this role. Works in and across practices and organizations to design leading-edge technology or application solutions that lead to profitable revenue growth for Unisys. Conceptualizes, architects, designs, implements, and supports integrated solutions for client engagements. Demonstrates extensive knowledge of industry, technology, and strategy trends; uses this knowledge to generate profitable revenue growth for Unisys. Builds relationships with product development organizations; is recognized by these organizations as a key product champion who adds value through exposure to client situations. Advises, analyzes, researches, designs, installs, and implements complex integrated solutions for an entire enterprise. Interacts extensively with the client's senior management team (e.g., IT directors) on business, systems, architectural, and technical issues. Provides other architects with mentoring and team leadership. Develops the integrated technology requirements project plan. Integrates complex solutions with new or existing client environments. Uses advanced diagnostic analytical and design capabilities. Confirms that the client is provided with the best solution (e.g., completes solution integrity engineering and development attributes).
CASB Security Architect	$202.43	Provides Project Governance and Oversight for overall CASB service delivery. Design and architect CASB Solution. Onboarding of applications and infrastructure resources to be managed by CASB service. Responsible for deliverables including knowledge transfer and transition services to Client and Unisys managed security service

CASB Security Specialist	$202.43	Supports overall CASB solution architecture. Responsible for implementation of CASB solution. Coordinates with Client team(s), vendors and stakeholders to gather environment details and requirements. Supports delivery of CASB Service, deliverables including knowledge transfer and transition services to Client and Unisys managed security service.
CASB Project Manager	124.45	Manage day-to-day communication with Client(s), vendors and Unisys teams during delivery of CASB service. Assists in review of CASB service deliverables and supports knowledge transfer and transition services to Client and Unisys managed security service.
Cloud Practice Director	$285.40	Manages the delivery of contracted services to clients to maintain time, quality, and cost of delivery. Maintains tight control over the project schedule, risks, scope of work, and budget; confirms that operational teams and subcontractors have a clear understanding of client requirements. Builds and maintains strong client relationships; provides day-to-day client advice and support. -Promotes the organization's capabilities to clients, identifies sales opportunities to be forwarded to the account managers, and achieves contract extensions or additional business in the accounts. Contracts may involve both short- and long-term commitment of service and vary significantly in value or strategic importance
Cloud Program Manager	$164.27	Manages very complex programs, high-risk programs, or both. May manage fixed price contracts. Oversees program budget and schedules. May direct staff. Has primary responsibility for program growth; may market new technology or acquire follow-on business. The total value of programs under this manager's responsibility is more than $100 million (over the life of the contract, not annually). May be responsible for programs of a lower dollar value if they are more complex or developmental. This description does not include engineers or other individuals who are temporarily assigned program management responsibilities and technical functional managers for a program.
Infrastructure Migration Consultant	$202.43	Analyzes and evaluates major system project requirements of considerable complexity and that require a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements and provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex multiple interlinked systems. Defines system objectives and prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions by applying systems and methods of engineering techniques. Reviews alternate approaches and selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned problems. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development to a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as organization spokesperson for advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.

Monitoring Specialist	$114.49	Performs Tier 1 operating system-specific tasks to support a host environment. Supports and maintains servers, networks, messaging, mainframes, database environments, and/or host infrastructures. Responds to service outages and other problems and issues; serves as a Tier 1 escalation point for well-defined incidents and basic problems, working under general supervision.
Storage Specialist	$202.43	Delivers Level 2 remote hardware and software support services to clients to resolve product use and multiproduct/platform problems, and/or questions relating to storage on enterprise systems across networks and in the cloud. Provides referrals, dispatches, or both to other service providers to confirm that the client's service level and technical requirements are met. Provides design and implementation support for storage innovations. Prepares and approves technical documentation; verifies that technical and client documentation is clear, accurate, and complete. Identifies training needs. May develop and conduct training sessions for other analysts and clients. May lead teams of analysts on defined projects.
Application Migration Architect	$202.43	This role is subject to Unisys billing rates, productivity, utilization, and total chargeability metrics. Only billable/direct client chargeable employees are to be assigned to this role. Works in and across practices and organizations to design leading-edge technology or application solutions that lead to profitable revenue growth for Unisys. Conceptualizes, architects, designs, implements, and supports integrated solutions for client engagements. Demonstrates extensive knowledge of industry, technology, and strategy trends; uses this knowledge to generate profitable revenue growth for Unisys. Builds relationships with product development organizations; is recognized by these organizations as a key product champion who adds value through exposure to client situations. Advises, analyzes, researches, designs, installs, and implements complex integrated solutions for an entire enterprise. Interacts extensively with the client's senior management team (e.g., IT directors) on business, systems architectural, and technical issues. Provides other architects with mentoring and team leadership. Develops the integrated technology requirements project plan. Integrates complex solutions with new or existing client environments. Uses advanced diagnostic, analytical, and design capabilities. Confirms that the client is provided with the best solution (e.g., completes solution integrity engineering and development attributes).
Database Consultant	$160.95	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.

Risk, Compliance and Security Consultant	$160.95	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; provides direction in the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.
Network Specialist	$160.95	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; provides direction for the identification of problems and their potential resolution. Provides analytical support in the conceptualization, development, and implementation of complex multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Acts as advisor to management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.

Service Delivery Manager	$155.97	Is accountable for managing the delivery of contracted outsourced services such as business process and information technology to clients with account revenue of $6 million to $15 million per year (levels are based on the size of account revenue). Serves as the primary point of contact to one or more clients on overall and day-to-day service delivery. Verifies that SLAs (service level agreements) and KPIs (key performance indicators) defined in the relevant contracts are met or exceeded. To enable implementations and ongoing services to be delivered on time and meet client requirements, maintains tight control over the project's schedule, risks, scope of work, and budget. Builds and maintains strong client relationships; participates in client meetings on performance to confirm client satisfaction. Verifies that operational teams and subcontractors maintain a clear understanding of the client's needs; provides day-to-day client advice and support. Promotes the organization's capabilities; works to achieve contract extensions or win additional business in the accounts. This description does not include specific technical functional managers or other individuals who are temporarily assigned project management responsibilities.
Disaster Recovery Specialist	$160.95	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; and provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex, multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.

AWS Specialist	$202.43	Analyzes and evaluates major system project requirements of considerable complexity that require a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex, multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas and guides their development into a final product. Erroneous decisions or recommendations would typically result in failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as organization spokesperson on advanced projects and/or programs. Acts as advisor to management on advanced technical research studies and applications. May provide work leadership for lower level employees. Considered expert in field. This description does not include those with full supervisory responsibility.
Azure Specialist	$202.43	Analyzes and evaluates major system project requirements of considerable complexity requiring a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements and provides direction in the identification of problem and potential resolution. Provides analytical support in the conceptualization, development and implementation of complex, multiple inter-linked systems. Defines system objectives and prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements and develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches and selects appropriate methodology. Addresses complex problems where analysis of situations or data requires and evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections in technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems and provides solutions which are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.

VMware Specialist	$202.43	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; and provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex, multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.
ServiceNow Specialist	$202.43	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; and provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex, multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.

Google Specialist	$202.43	Analyzes and evaluates major system project requirements of considerable complexity that requires a thorough understanding of the parameters affecting and interfacing with the system. Reviews user requirements; and provides direction for the identification of problems and their potential resolution. Provides analytical support for the conceptualization, development, and implementation of complex, multiple interlinked systems. Defines system objectives; prepares system design specifications to meet user requirements and satisfy interface problems. Formulates logical statements of user requirements; develops solutions through application of systems and methods of engineering techniques. Reviews alternate approaches; selects appropriate methodology. Addresses complex problems for which the analysis of situations or data requires an evaluation of often intangible factors. Reviews literature, patents, and current practices relevant to the solution of assigned projects. Recommends corrections to technical applications and analysis. Evaluates vendor capabilities to provide required products or services. Is accountable for technical contributions that lead to a profitable return on technical investment. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems; provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work is checked through consultation and agreement with others instead of a formal review by the leader. Develops advanced technological ideas; guides their development into a final product. Erroneous decisions or recommendations would typically lead to failure to achieve critical organizational objectives and affect the image of the organization's technological capability. Serves as the organization's spokesperson on advanced projects, programs, or both. Advises management on advanced technical research studies and applications. May provide lower level employees with work leadership. Considered expert in field. This description does not include those with full supervisory responsibility.
System Administrator	$114.49	Delivers Level 2 remote hardware and software support services to clients to resolve product use, multiproduct/platform problems and/or questions relating to enterprise systems, networks, and application software, as well as desktop applications that are beyond the scope of the client's Level 1 help desk support function. Provides referrals, dispatches, or both to other service providers to confirm that the client's service level and technical requirements are met. Provides the client and Unisys management with alerts and information on a situation's status. Coordinates critical client issues and implementations of new products, systems, or both. Prepares and approves technical documentation; verifies that the documentation is clear, accurate, and complete. Identifies training needs. May develop and conduct training sessions for other analysts and clients. May lead teams of analysts on defined projects.
Consulting Principal	$400.00	Experienced and specialized consultant to work directly with C-Suite executives to translate how IT and cybersecurity engagements they are performing influence their mission to provide services to the citizens they serve. The consultant will be responsible for taking the results of current and new IT projects, apply them to the goals and objectives of the executive branch and make recommendations for future IT projects.
Consulting Manager	$325.00	Experienced and specialized consultant who will combine research, analytics and technology to develop IT and cybersecurity trends within an organization. The Consulting Manager will have direct input working at times with the Consulting Principle to develop IT and cybersecurity strategies.