



**General Services Administration
Federal Supply Service
Authorized Federal Supply Schedule Price List**

FEDERAL SUPPLY SCHEDULE MULTIPLE AWARD SCHEDULE (MAS)

Special Item No. 518210C – CLOUD AND CLOUD RELATED IT PROFESSIONAL SERVICES

Special Item No. 54151S - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

Special Item No. OLM – Order-Level Materials



3610 Pentagon Blvd, Suite 110 | Beavercreek, OH 45431

PHONE: 937.242.6399 | www.vanasolutions.com

BUSINESS SIZE: Small Business

Contract Number: 47QSWA18D008C

Period Covered by Contract: 8/21/18 - 8/20/23

Pricelist current through Modification: N/A

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov. On line access to contract ordering information, terms and conditions, up to date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu driven database system. The INTERNET address GSA Advantage! is: GSAAdvantage.gov.

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CUSTOMER INFORMATION

1a. Table of awarded special item numbers with appropriate cross-reference to item descriptions and awarded price. *See Terms and Conditions*

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.

See Terms and Conditions

2. Maximum order. Special Item Number 54151S and 518201C: \$500,000

3. Minimum order: \$100.00

4. Geographic coverage (delivery area): CONUS

5. Point of production: Beavercreek, Greene County, Ohio

6. Discount from list prices or statement of net price: 0%-5% from list price

7. Quantity discounts: None

8. Prompt payment terms. Note: Prompt payment terms must be followed by the statement "Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions": 0% in Net 30 Days.

9a. Government Purchase Cards will be accepted at or below the micro-purchase threshold.

9b. Government Purchase cards will be accepted at or above the micro-purchase threshold

10. Foreign items: None.

11a. Time of delivery: Determined at task level

11b. Expedited Delivery: Customer may contact the Contractor for expedited delivery

11c. Overnight and 2-day delivery: Customer may contact the Contractor for rates for overnight and 2-day delivery

11d. Urgent Requirements: Customer may contact the Contractor to affect a faster delivery.

12. F.O.B. point(s): Destination

13a. Ordering address:

Vana Solutions, LLC
Attn: GSA Orders
3610 Pentagon Blvd, Suite 110
Beavercreek, OH 45431

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. Payment address.

Vana Solutions, LLC
Attn: Accounts Receivable
3610 Pentagon Blvd, Suite 110
Beaver Creek, OH 45431

15. Warranty provision: Standard

16. Export packing charges, if applicable: N/A

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):
N/A

18. Terms and conditions of rental, maintenance, and repair (if applicable): N/A

19. Terms and conditions of installation (if applicable): N/A

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A

20a. Terms and conditions for any other services (if applicable): N/A

21. List of service and distribution points (if applicable): N/A

22. List of participating dealers (if applicable): N/A

23. Preventive maintenance (if applicable): N/A

24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): N/A

24b. Section 508 Compliance for Electronic and Information Technology (EIT): Compliant. The EIT standards can be found at: www.Section508.gov/.

25. Data Universal Number System (DUNS) number: 189437366

26. Notification regarding registration in Central Contractor Registration (CCR) database: Contractor has an active registration in the System for Award Management (SAM), Cage Code 59H04.

**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF CLOUD COMPUTING SERVICES
 (SPECIAL ITEM NUMBER 518210C)**

Vana Solutions’ software is a Software-as-a-Service (SaaS) for Microsoft Office 365, Azure, and Amazon AWS. It is hosted on commercial public Infrastructure-as-a-Service (IaaS) providers such as Microsoft Azure and Amazon AWS. Vana Solutions is a certified Commercial and Government Cloud Service Provider with Microsoft and partners with Amazon for AWS. Most of the essential characteristics of the NIST guidelines are inherited from the IaaS providers Microsoft and Amazon.

Guideline #	Characteristic	Capability
1	On-demand self- service	Cloud providers, such as Amazon Web Services (AWS) and Microsoft Azure, provide computing services (IaaS) for consumers. As a CSP, Vana Solutions assumes responsibility for the sustainment and operating wellness of the CSC. To maintain sustainability, the Cloud Service Customer (CSC) can request additional computing capabilities with the Cloud Service Provider (CSP). The CSP will track the requests and may use either manual labor or automated processes to deliver requested capabilities. The customer can use the offering without the need for human interaction.
2	Broad Network Access	<p>Microsoft Office 365 (and all services within e.g. SharePoint Online) and Amazon Web Services (AWS) have implemented and certified a government instance for use (aka GovCloud). Based on the CSC requirements and regulations, Vana Solutions implements the cloud networking solutions to suffice required protocols and access points.</p> <p>The Cloud Service Customer (CSC) is responsible to manage outbound network access such as firewall exceptions within the CSC domain, while Vana Solutions can provide guidance. The CSP (e.g. Vana), will be responsible for ensuring the proper protocols and inbound access are granted in accordance to the CSC requirements.</p> <p>Based on CSC requirements, the network access will be implemented to support needed device connectivity.</p>
3	Resource Pooling	With Amazon Web Services (AWS) and Microsoft Azure, both support multi-tenancy in nature. With the current Microsoft Azure Government, and Commercial implementation, multiple data centers exist in different regions of the United States to support configuring IaaS within certain location if needed for end-user performance or disaster recovery. Vana Solutions takes responsibility for configuring the resources in accordance to the CSC requirements.
4	Rapid Elasticity	Microsoft Office 365 Azure, and Amazon AWS software can be rapidly provisioned and de-provisioned commensurate with demand. This capability is inherited from Microsoft’s and Amazon’s IaaS cloud where the software is hosted. Elasticity can be controlled through manual processes or automated configurations based on implementation. Based on the CSC needs, Vana Solutions uses the services provided by AWS and Azure to respond to the current needs of the capability in accordance to the CSC requirements.

Guideline #	Characteristic	Capability
5	Measured Service	Vana Solutions, utilizing capabilities provided by Amazon Web Services (AWS) and Microsoft Azure, provides customers the option of having reports based on actual usage of the service. Customers have the option of choosing between different billing mechanisms, which could be on actual usage or flat monthly usage. In addition to transparency, Vana Solutions uses the same transparency methods to measure usage to monitor resource usage and performance. Based on these reports and CSC requirements elasticity increase/reduction can be proactively identified and risks mitigated.

A. Cloud Computing Services Deployment Model

Vana Solutions consults and implements solutions such as Microsoft Office 365, all services within SharePoint online and AWS services, which are currently deployed on public cloud infrastructures. As part of our analysis, we look at whether a public, private, or hybrid cloud solution is required based on constraints of the business.

When applicable, Vana Solutions recommends and implements deployments with a Continuous Integration (CI) model. The Vana Solutions CI model supports deployment consistency, security, and sustainability by implementing capabilities offered by the cloud providers. With tools such as build engines and source code control provided by Amazon Web Services (AWS) and Microsoft Azure, consistent and processes can be implemented automating most deployment models. Vana Solutions consults and deploys Microsoft Azure Government unique community cloud deployment focusing on government client needs and heightened security measures. The model has been granted a FEDRAMP level 5 provisional- Authority to Operate (p-ATO).

B. Cloud Computing Services Service Model

Software-as-a-Service

As a CSP, Vana Solutions’ delivers Microsoft Office 365 as a Software-as-a-Service model in addition to other 3rd party SaaS applications. The software is hosted with commercial IaaS service providers, Microsoft and Amazon, which are public cloud infrastructures. The customer can use the offering without the need for human interaction.

Microsoft Office 365 and Azure are highly configurable systems through which users can create different types of applications. Other characteristics of a cloud system such as resource pooling, rapid elasticity and measured service are made available by the underlying IaaS provider. By virtue of this arrangement, Vana Solutions’ Microsoft Office 365 and Azure inherits all of these essential cloud characteristics from the IaaS provider. Currently Vana Solutions uses Microsoft and Amazon AWS as its IaaS provider.

Platform-as-a-Service

With both Amazon Web Services (AWS) and Microsoft Azure, both cloud providers provide key capabilities such as database and web services as a platform service. Based on the CSC requirements, Vana Solutions provides implementation of PaaS capabilities verifying security regulations are met while providing the CSC with the needed resources. The five essential cloud characteristics are available with Platform-as-a-Service (PAAS). To maintain sustainability, the Cloud Service Customer (CSC) can request additional computing capabilities with the Cloud Service Provider (CSP). The CSP will track the requests and may use either manual labor or automated processes to deliver requested capabilities.

Infrastructure-as-a-Service

When applicable, Vana Solutions recommends following the “Infrastructure-as-code” approach for computing implementations. With both Amazon Web Services (AWS) and Microsoft Azure, infrastructure as code is supported and recommended for repeatable and consistent deployment of resources. Vana Solutions uses tools such as

Ansible, CloudFormation, and Desired State Configuration (DSC) to support infrastructure implementations. Manual and automated IaaS resource implementations are audited and maintained by Vana Solutions. The five essential cloud characteristics are available with Platform-as-a-Service (PaaS). To maintain sustainability, the Cloud Service Customer (CSC) can request additional computing resources with the Cloud Service Provider (CSP). The CSP will track the requests and may use either manual labor or automated processes to deliver requested capabilities.

Compute Pricing

B-series										
Product ID	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
B1S	1	1.00 GiB	2 GiB	\$0.014	\$0.011	(~23%)	\$0.009	(~40%)	\$0.005	(~69%)
B2S	2	4.00 GiB	8 GiB	\$0.059	\$0.036	(~40%)	\$0.026	(~56%)	\$0.018	(~70%)
B1MS	1	2.00 GiB	4 GiB	\$0.025	\$0.018	(~30%)	\$0.013	(~49%)	\$0.009	(~65%)
B2MS	2	8.00 GiB	16 GiB	\$0.101	\$0.063	(~38%)	\$0.044	(~57%)	\$0.036	(~65%)
B4MS	4	16.00 GiB	32 GiB	\$0.200	\$0.126	(~37%)	\$0.087	(~56%)	\$0.071	(~65%)
B8MS	8	32.00 GiB	64 GiB	\$0.400	\$0.251	(~37%)	\$0.175	(~56%)	\$0.142	(~65%)

Av2 Standard										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
A1 v2	1	2.00 GiB	10 GiB	\$0.066	--Blank		--Blank		--Blank	
A2 v2	2	4.00 GiB	20 GiB	\$0.138	--Blank		--Blank		--Blank	
A4 v2	4	8.00 GiB	40 GiB	\$0.290	--Blank		--Blank		--Blank	
A8 v2	8	16.00 GiB	80 GiB	\$0.609	--Blank		--Blank		--Blank	
A2m v2	2	16.00 GiB	20 GiB	\$0.183	--Blank		--Blank		--Blank	
A4m v2	4	32.00 GiB	40 GiB	\$0.365	--Blank		--Blank		--Blank	
A8m v2	8	64.00 GiB	80 GiB	\$0.731	--Blank		--Blank		--Blank	

D2-64 v3 latest generation										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
D2 v3	2	8.00 GiB	50 GiB	\$0.189	\$0.15	(~21%)	\$0.13	(~31%)	\$0.04	(~80%)
D4 v3	4	16.00 GiB	100 GiB	\$0.379	\$0.30	(~21%)	\$0.26	(~31%)	\$0.07	(~80%)
D8 v3	8	32.00 GiB	200 GiB	\$0.758	\$0.60	(~21%)	\$0.52	(~31%)	\$0.15	(~80%)
D16 v3	16	64.00 GiB	400 GiB	\$1.515	\$1.20	(~21%)	\$1.04	(~31%)	\$0.30	(~80%)
D32 v3	32	128.00 GiB	800 GiB	\$3.031	\$2.41	(~21%)	\$2.08	(~31%)	\$0.59	(~80%)
D64 v3	64	256.00 GiB	1,600 GiB	\$6.061	\$4.81	(~21%)	\$4.16	(~31%)	\$1.19	(~80%)

D2s-64s v3 latest generation										
Instance	vCPU	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
D2s v3	2	8.00 GiB	16 GiB	\$0.191	\$0.152	(~21%)	\$0.131	(~31%)	\$0.038	(~80%)
D4s v3	4	16.00 GiB	32 GiB	\$0.382	\$0.304	(~21%)	\$0.262	(~31%)	\$0.075	(~80%)
D8s v3	8	32.00 GiB	64 GiB	\$0.763	\$0.606	(~21%)	\$0.524	(~31%)	\$0.150	(~80%)
D16s v3	16	64.00 GiB	128 GiB	\$1.527	\$1.212	(~21%)	\$1.047	(~31%)	\$0.299	(~80%)
D32s v3	32	128.00 GiB	256 GiB	\$3.054	\$2.424	(~21%)	\$2.093	(~31%)	\$0.599	(~80%)
D64s v3	64	256.00 GiB	512 GiB	\$6.107	\$4.848	(~21%)	\$4.187	(~31%)	\$1.198	(~80%)

D2-5 v2 limited-time special pricing										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
D2 v2 Promo	2	7.00 GiB	100 GiB	\$0.193	--Blank		--Blank		--Blank	
D3 v2 Promo	4	14.00 GiB	200 GiB	\$0.387	--Blank		--Blank		--Blank	
D4 v2 Promo	8	28.00 GiB	400 GiB	\$0.774	--Blank		--Blank		--Blank	
D5 v2 Promo	16	56.00 GiB	800 GiB	\$1.548	--Blank		--Blank		--Blank	

D1-5 v2										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
D1 v2	1	3.50 GiB	50 GiB	\$0.127	\$0.078	(~39%)	\$0.068	(~47%)	\$0.021	(~84%)
D2 v2	2	7.00 GiB	100 GiB	\$0.254	\$0.155	(~39%)	\$0.134	(~47%)	\$0.041	(~84%)
D3 v2	4	14.00 GiB	200 GiB	\$0.508	\$0.310	(~39%)	\$0.267	(~47%)	\$0.082	(~84%)
D4 v2	8	28.00 GiB	400 GiB	\$1.016	\$0.621	(~39%)	\$0.533	(~47%)	\$0.162	(~84%)
D5 v2	16	56.00 GiB	800 GiB	\$2.031	\$1.241	(~39%)	\$1.066	(~47%)	\$0.324	(~84%)

DS1-55 v2										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
DS1 v2	1	3.50 GiB	7 GiB	\$0.127	\$0.078	(~39%)	\$0.068	(~47%)	\$0.021	(~84%)
DS2 v2	2	7.00 GiB	14 GiB	\$0.254	\$0.155	(~39%)	\$0.134	(~47%)	\$0.041	(~84%)
DS3 v2	4	14.00 GiB	28 GiB	\$0.508	\$0.310	(~39%)	\$0.267	(~47%)	\$0.082	(~84%)
DS4 v2	8	28.00 GiB	56 GiB	\$1.016	\$0.621	(~39%)	\$0.533	(~47%)	\$0.162	(~84%)
DS5 v2	16	56.00 GiB	112 GiB	\$2.031	\$1.241	(~39%)	\$1.066	(~47%)	\$0.324	(~84%)

Fv2-Series										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
F2 v2	2	4.00 GiB	16 GiB	\$0.164	\$0.143	(~13%)	\$0.125	(~25%)	\$0.032	(~81%)
F4 v2	4	8.00 GiB	32 GiB	\$0.328	\$0.286	(~13%)	\$0.248	(~25%)	\$0.062	(~81%)
F8 v2	8	16.00 GiB	64 GiB	\$0.656	\$0.572	(~13%)	\$0.497	(~25%)	\$0.126	(~81%)
F16 v2	16	32.00 GiB	128 GiB	\$1.312	\$1.145	(~13%)	\$0.992	(~25%)	\$0.251	(~81%)
F32 v2	32	64.00 GiB	256 GiB	\$2.624	\$2.289	(~13%)	\$1.984	(~25%)	\$0.501	(~81%)
F64 v2	64	128.00 GiB	512 GiB	\$5.248	\$4.578	(~13%)	\$3.967	(~25%)	\$1.001	(~81%)
F72 v2	72	144.00 GiB	576 GiB	\$5.904	\$5.151	(~13%)	\$4.462	(~25%)	\$1.125	(~81%)

F-series										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
F1	1	2.00 GiB	16 GiB	\$0.097	\$0.078	(~20%)	\$0.066	(~32%)	\$0.020	(~80%)
F2	2	4.00 GiB	32 GiB	\$0.193	\$0.155	(~20%)	\$0.132	(~31%)	\$0.039	(~80%)
F4	4	8.00 GiB	64 GiB	\$0.386	\$0.311	(~20%)	\$0.265	(~31%)	\$0.080	(~80%)
F8	8	16.00 GiB	128 GiB	\$0.772	\$0.621	(~20%)	\$0.530	(~31%)	\$0.159	(~80%)
F16	16	32.00 GiB	256 GiB	\$1.544	\$1.242	(~20%)	\$1.059	(~31%)	\$0.317	(~80%)

E2-64 v3 latest generation										
Instance	vCPU	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
E2 v3	2	16.00 GiB	50 GiB	\$0.227	\$0.172	(~24%)	\$0.143	(~37%)	\$0.050	(~78%)
E4 v3	4	32.00 GiB	100 GiB	\$0.453	\$0.344	(~24%)	\$0.286	(~37%)	\$0.101	(~78%)
E8 v3	8	64.00 GiB	200 GiB	\$0.907	\$0.686	(~24%)	\$0.573	(~37%)	\$0.203	(~78%)
E16 v3	16	128.00 GiB	400 GiB	\$1.814	\$1.372	(~24%)	\$1.146	(~37%)	\$0.404	(~78%)
E32 v3	32	256.00 GiB	800 GiB	\$3.627	\$2.745	(~24%)	\$2.290	(~37%)	\$0.807	(~78%)
E64i v3	64	432.00 GiB	1,600 GiB	\$6.837	\$5.559	(~19%)	N/A		N/A	
E64 v3	64	432.00 GiB	1,600 GiB	\$6.837	\$5.343	(~22%)	\$4.487	(~34%)	\$1.520	(~78%)

E2s-64s v3 latest generation										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
E2s v3	2	16.00 GiB	32 GiB	\$0.227	\$0.172	(~24%)	\$0.143	(~37%)	\$0.050	(~78%)
E4s v3	4	32.00 GiB	64 GiB	\$0.453	\$0.344	(~24%)	\$0.286	(~37%)	\$0.101	(~78%)
E8s v3	8	64.00 GiB	128 GiB	\$0.907	\$0.686	(~24%)	\$0.573	(~37%)	\$0.203	(~78%)
E16s v3	16	128.00 GiB	256 GiB	\$1.814	\$1.372	(~24%)	\$1.146	(~37%)	\$0.404	(~78%)
E32s v3	32	256.00 GiB	512 GiB	\$3.627	\$2.745	(~24%)	\$2.290	(~37%)	\$0.807	(~78%)
E64is v3	64	432.00 GiB	864 GiB	\$6.837	\$5.559	(~19%)	N/A		N/A	
E64s v3	64	432.00 GiB	864 GiB	\$6.837	\$5.343	(~22%)	\$4.487	(~34%)	\$1.520	(~78%)

D11-14 v2 limited-time special pricing										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
D11 v2 Promo	2	14.00 GiB	100 GiB	\$0.227	--Blank		--Blank		--Blank	
D12 v2 Promo	4	28.00 GiB	200 GiB	\$0.453	--Blank		--Blank		--Blank	
D13 v2 Promo	8	56.00 GiB	400 GiB	\$0.907	--Blank		--Blank		--Blank	
D14 v2 Promo	16	112.00 GiB	800 GiB	\$1.814	--Blank		--Blank		--Blank	

D11-15 v2										
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
D11 v2	2	14.00 GiB	100 GiB	\$0.266	\$0.182	(~32%)	\$0.152	(~43%)	\$0.059	(~78%)
D12 v2	4	28.00 GiB	200 GiB	\$0.532	\$0.364	(~32%)	\$0.303	(~43%)	\$0.118	(~78%)
D13 v2	8	56.00 GiB	400 GiB	\$1.064	\$0.726	(~32%)	\$0.607	(~43%)	\$0.236	(~78%)
D14 v2	16	112.00 GiB	800 GiB	\$2.127	\$1.453	(~32%)	\$1.212	(~43%)	\$0.471	(~78%)
D15 v2	20	140.00 GiB	1,000 GiB	\$2.659	\$1.817	(~32%)	\$1.515	(~43%)	\$0.588	(~78%)

DS11-S15 v2											
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)		Temporary Storage
DS11 v2	2	14.00 GiB	28 GiB	\$0.266	\$0.182	(~32%)	\$0.152	(~43%)	\$0.059	(~78%)	28 GiB
DS12 v2	4	28.00 GiB	56 GiB	\$0.532	\$0.364	(~32%)	\$0.303	(~43%)	\$0.118	(~78%)	56 GiB
DS13 v2	8	56.00 GiB	112 GiB	\$1.064	\$0.726	(~32%)	\$0.607	(~43%)	\$0.236	(~78%)	112 GiB
DS14 v2	16	112.00 GiB	224 GiB	\$2.127	\$1.453	(~32%)	\$1.212	(~43%)	\$0.471	(~78%)	224 GiB
DS15 v2	20	140.00 GiB	280 GiB	\$2.659	\$1.817	(~32%)	\$1.515	(~43%)	\$0.588	(~78%)	280 GiB

M-series											
Instance	vCPU	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)		Temporary Storage
M32ls	32	256.00 GiB	1,000 GiB	\$4.378	\$3.149	(~28%)	\$2.293	(~48%)	\$0.810	(~82%)	1,000 GiB
M64ls	64	512.00 GiB	2,000 GiB	\$8.422	\$6.105	(~28%)	\$4.493	(~47%)	\$1.526	(~80%)	2,000 GiB
M8ms	8	219.00 GiB	250 GiB	\$2.123	\$1.261	(~41%)	\$0.804	(~62%)	\$0.433	(~80%)	250 GiB
M16ms	16	438.00 GiB	500 GiB	\$4.246	\$2.523	(~41%)	\$1.608	(~62%)	\$0.866	(~80%)	500 GiB
M32ms	32	875.00 GiB	1,000 GiB	\$8.492	\$5.045	(~41%)	\$3.216	(~62%)	\$1.733	(~80%)	1,000 GiB
M64ms	64	1,792.00 GiB	2,000 GiB	\$14.761	\$8.956	(~39%)	\$5.880	(~60%)	\$2.914	(~80%)	2,000 GiB
M128ms	128	3,892.00 GiB	4,000 GiB	\$36.091	\$21.360	(~41%)	\$13.441	(~63%)	\$7.503	(~79%)	4,000 GiB
M64s	64	1,024.00 GiB	2,000 GiB	\$9.686	\$6.831	(~29%)	\$4.846	(~50%)	\$1.880	(~81%)	2,000 GiB
M128s	128	2,048.00 GiB	4,000 GiB	\$19.375	\$13.662	(~29%)	\$9.693	(~50%)	\$3.760	(~81%)	4,000 GiB
M32ts	32	192.00 GiB	1,000 GiB	\$4.211	\$3.052	(~28%)	\$2.247	(~47%)	\$0.764	(~82%)	1,000 GiB

Extreme Memory Optimized										
Instance	ACTIVE vC PU /	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)			3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)
DS11-1 v2	1	14.00 GiB	28 GiB	\$0.266	\$0.182	(~32%)	\$0.152	(~43%)	\$0.059	(~78%)
DS11-1 v2	1	28.00 GiB	56 GiB	\$0.532	\$0.364	(~32%)	\$0.303	(~43%)	\$0.118	(~78%)
DS12-2 v2	2	28.00 GiB	56 GiB	\$0.532	\$0.364	(~32%)	\$0.303	(~43%)	\$0.118	(~78%)
DS13-2 v2	2	56.00 GiB	112 GiB	\$1.064	\$0.726	(~32%)	\$0.607	(~43%)	\$0.236	(~78%)
DS13-4 v2	4	56.00 GiB	112 GiB	\$1.064	\$0.726	(~32%)	\$0.607	(~43%)	\$0.236	(~78%)
DS14-4 v2	4	112.00 GiB	224 GiB	\$2.127	\$1.453	(~32%)	\$1.212	(~43%)	\$0.471	(~78%)
DS14-8 v2	8	112.00 GiB	224 GiB	\$2.127	\$1.453	(~32%)	\$1.212	(~43%)	\$0.471	(~78%)
E4-2s v3	2	32.00 GiB	64 GiB	\$0.453	\$0.344	(~24%)	\$0.286	(~37%)	\$0.101	(~78%)
E8-2s v3	2	64.00 GiB	128 GiB	\$0.907	\$0.686	(~24%)	\$0.573	(~37%)	\$0.203	(~78%)
E8-2s v3	4	64.00 GiB	128 GiB	\$0.907	\$0.686	(~24%)	\$0.573	(~37%)	\$0.203	(~78%)
E16-4s v3	4	128.00 GiB	256 GiB	\$1.814	\$1.372	(~24%)	\$1.146	(~37%)	\$0.404	(~78%)
E16-8s v3	8	128.00 GiB	256 GiB	\$1.814	\$1.372	(~24%)	\$1.146	(~37%)	\$0.404	(~78%)
E32-8s v3	8	256.00 GiB	512 GiB	\$3.627	\$2.745	(~24%)	\$2.290	(~37%)	\$0.807	(~78%)
E32-16s v3	16	256.00 GiB	512 GiB	\$3.627	\$2.745	(~24%)	\$2.290	(~37%)	\$0.807	(~78%)
E64-16s v3	16	432.00 GiB	864 GiB	\$6.837	\$5.343	(~22%)	\$4.487	(~34%)	\$1.520	(~78%)
E64-32s v3	32	432.00 GiB	864 GiB	\$6.837	\$5.343	(~22%)	\$4.487	(~34%)	\$1.520	(~78%)
Gs4-4	4	224.00 GiB	3,072 GiB	N/A	N/A		N/A		N/A	
Gs4-8	8	224.00 GiB	3,072 GiB	N/A	N/A		N/A		N/A	
Gs5-8	8	448.00 GiB	6,144 GiB	N/A	N/A		N/A		N/A	
Gs5-16	16	448.00 GiB	6,144 GiB	N/A	N/A		N/A		N/A	
M64-16ms	16	1,750.00 GiB	2,000 GiB	N/A	N/A		N/A		N/A	
M64-32ms	32	1,750.00 GiB	2,000 GiB	N/A	N/A		N/A		N/A	
M128-32ms	32	3,800.00 GiB	4,000 GiB	N/A	N/A		N/A		N/A	
M128-64ms	64	3,800.00 GiB	4,000 GiB	N/A	N/A		N/A		N/A	

NC Series												
Instance	CORE	RAM	Temporary Storage	GPU	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)			3 Year Reserved / Hr (% Savings)		Temporary Storage	GPU
NC6	6	56.00 GiB	340 GiB	1X K80	\$1.092	\$0.856	(~22%)	\$0.681	(~38%)	340 GiB	1X K80	
NC12	12	112.00 GiB	680 GiB	2X K80	\$2.184	\$1.712	(~22%)	\$1.362	(~38%)	680 GiB	2X K80	
NC24	24	224.00 GiB	1,440 GiB	4X K80	\$4.369	\$3.424	(~22%)	\$2.723	(~38%)	1,440 GiB	4X K80	
NC24r	24	224.00 GiB	1,440 GiB	4X K80	\$4.806	\$3.654	(~2%)	\$2.884	(~40%)	1,440 GiB	4X K80	

NCv2 series											
Instance	CORE	RAM	Temporary Storage	GPU	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)			3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)
NC6 v2	6	112.00 GiB	336 GiB	1X P100	\$2.512	\$1.607	(~36%)	\$1.204	(~52%)	\$0.926	(~63%)
NC12 v2	12	224.00 GiB	672 GiB	2X P100	\$5.024	\$3.214	(~36%)	\$2.408	(~52%)	\$0.926	(~63%)
NC24 v2	24	448.00 GiB	1,344 GiB	4X P100	\$10.047	\$6.427	(~36%)	\$4.816	(~52%)	\$0.926	(~63%)
NC24r v2	24	448.00 GiB	1,344 GiB	4X P100	\$11.063	\$6.958	(~37%)	\$5.186	(~53%)	\$0.926	(~63%)

NCv3 series											
Instance	CORE	RAM	Temporary Storage	GPU	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)			3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)
NC6 v3	6	112.00 GiB	336 GiB	1X V100	\$3.454	\$2.243	(~35%)	\$1.447	(~58%)	#VALUE!	(~66%)
NC12 v3	12	224.00 GiB	672 GiB	2X V100	\$6.908	\$4.485	(~35%)	\$2.893	(~58%)	\$2.337	(~66%)
NC24 v3	24	448.00 GiB	1,344 GiB	4X V100	\$13.824	\$8.968	(~35%)	\$5.784	(~58%)	\$4.672	(~66%)
NC24r v3	24	448.00 GiB	1,344 GiB	4X V100	\$15.204	\$9.754	(~36%)	\$6.252	(~59%)	\$5.140	(~66%)

NV-series											
Instance	CORE	RAM	Temporary Storage	GPU	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)			3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)
NV6	6	56.00 GiB	340 GiB	1X M60	\$1.451	\$1.011	(~30%)	\$0.788	(~46%)	\$0.510	(~65%)
NV12	12	112.00 GiB	680 GiB	2X M60	\$2.902	\$2.020	(~30%)	\$1.576	(~46%)	\$1.020	(~65%)
NV24	24	224.00 GiB	1,440 GiB	4X M60	\$5.814	\$4.039	(~31%)	\$3.151	(~46%)	\$2.038	(~65%)

ND-series											
Instance	CORE	RAM	Temporary Storage	GPU	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)	
ND6	6	112.00 GiB	336 GiB	1X P40	\$2.512	\$1.607	(~36%)	\$1.204	(~52%)	\$0.926	(~63%)
ND12	12	224.00 GiB	672 GiB	2X P40	\$5.024	\$3.214	(~36%)	\$2.408	(~52%)	\$1.852	(~63%)
ND24	24	448.00 GiB	1,344 GiB	4X P40	\$10.047	\$6.427	(~36%)	\$4.816	(~52%)	\$3.704	(~63%)
ND24r	24	448.00 GiB	1,344 GiB	4X P40	\$11.063	\$6.958	(~37%)	\$5.186	(~53%)	\$4.074	(~63%)

H-series											
Instance	CORE	RAM	Temporary Storage	Pay as You Go / Hr	1 Year Reserved / Hr (% Savings)		3 Year Reserved / Hr (% Savings)		3 Year Reserved w/Azure Hybrid Benefit /Hr (% Savings)		Temporary Storage
H8	8	56.00 GiB	1,000 GiB	\$0.000	\$1.767	(~48%)	\$0.913	(~59%)	\$0.727	(~80%)	1,000 GiB
H16	16	112.00 GiB	2,000 GiB	\$0.000	\$3.535	(~48%)	\$1.826	(~59%)	\$1.454	(~80%)	2,000 GiB
H8m	8	112.00 GiB	1,000 GiB	\$0.000	\$2.368	(~54%)	\$1.097	(~64%)	\$0.848	(~80%)	1,000 GiB
H16m	16	224.00 GiB	2,000 GiB	\$0.000	\$4.735	(~54%)	\$2.194	(~64%)	\$1.696	(~80%)	2,000 GiB
H16mr	16	224.00 GiB	2,000 GiB	\$0.000	\$5.208	(~55%)	\$2.340	(~66%)	\$1.790	(~80%)	2,000 GiB
H16r	16	112.00 GiB	2,000 GiB	\$0.000	\$3.887	(~50%)	\$1.935	(~61%)	\$1.524	(~80%)	2,000 GiB

Networking (prices per month)

VNET Peering within the same region	
Inbound data transfer	\$0.010 per GB
Outbound data transfer	\$0.010 per GB

Global VNET Peering1					
	ZONE 1 per GB	ZONE 2 per GB	ZONE 3 per GB	DE (TRUSTEE) per GB	US GOV per GB
Inbound data transfer	\$0.035	\$0.091	\$0.161	\$0.020	\$0.022
Outbound data transfer	\$0.035	\$0.091	\$0.161	\$0.020	\$0.022

Load Balancer	
First 5 rules:	\$ 0.025 /hour
Additional Rules:	\$ 0.010 /rule/hour

Blob Storage (prices per month)

Data storage prices			
	HOT per GB	COOL per GB	ARCHIVE per GB
First 50 terabyte (TB) / month	\$0.021	\$0.015	\$0.002
Next 450 TB / Month	\$0.020	\$0.015	\$0.002
Over 500 TB / Month	\$0.019	\$0.015	\$0.002

Operations and data transfer prices			
	HOT per GB	COOL per GB	ARCHIVE per GB
Write Operations* (per 10,000)	\$0.050	\$0.101	\$0.101
List and Create Container Operations (per 10,000)	\$0.050	\$0.050	\$0.050
Read Operations** (per 10,000)	\$0.004	\$0.010	\$5.038
All other Operations (per 10,000), except Delete, which is free	\$0.004	\$0.004	\$0.004
Data Retrieval (per GB)	Free	\$0.010	\$0.020
Data Write (per GB)	Free	Free	Free

Managed Disk Storage (prices per month)

Premium SSD Disks								
	P4	P6	P10	P15	P20	P30	P40	P50
Disk Size	32 GiB	64 GiB	128 GiB	256 GiB	512 GiB	1 TiB	2 TiB	4 TiB
Price per month	\$5.32	\$10.29	\$19.86	\$38.31	\$73.77	\$136.19	\$261.01	\$499.31
IOPs per disk	120	240	500	1,100	2,300	5,000	7,500	7,500
Throughput per disk	25 MB/second	50 MB/second	100 MB/second	125 MB/second	150 MB/second	200 MB/second	250 MB/second	250 MB/second

Standard SSD Disks						
	E10	E15	E20	E30	E40	E50
Disk Size	128 GiB	256 GiB	512 GiB	1 TiB	2 TiB	4 TiB
Preview price per month	\$4.51	\$8.71	\$16.77	\$30.95	\$59.32	\$113.49
IOPs per disk	500	500	500	500	500	500
Throughput per disk	60 MB/second					

Standard HDD Managed Disk								
	S4	S6	S10	S15	S20	S30	S40	S50
Disk Size	32 GiB	64 GiB	128 GiB	256 GiB	512 GiB	1 TiB	2 TiB	4 TiB
Price per month	\$1.55	\$3.03	\$5.93	\$11.42	\$21.92	\$41.27	\$78.42	\$144.44
IOPs per disk	500	500	500	500	500	500	500	500
Throughput per disk	60 MB/second							

PRODUCT NAME	PRODUCT DESCRIPTION SUMMARY	UOI	GSA OFFER PRICE (inclusive of the .75% IFF)
VS-NINTEX-5-S	Nintex 5 Workflow Plan Standard Edition	Each	\$7,178.84
VS-NINTEX-5-E	Nintex 5 Workflow Plan Enterprise Edition	Each	\$10,768.26
VS-NINTEX-20-S	Nintex 20 Workflow Plan Standard Edition	Each	\$23,929.47
VS-NINTEX-20-E	Nintex 20 Workflow Plan Enterprise Edition	Each	\$35,894.21
VS-NINTEX-50-S	Nintex 50 Workflow Plan Standard Edition	Each	\$43,073.05
VS-NINTEX-50-E	Nintex 50 Workflow Plan Enterprise Edition	Each	\$64,609.57
VS-NINTEX-100-S	Nintex 100 Workflow Plan Standard Edition	Each	\$57,430.73
VS-NINTEX-100-E	Nintex 100 Workflow Plan Enterprise Edition	Each	\$86,146.10
VS-NINTEX-250-S	Nintex 250 Workflow Plan Standard Edition	Each	\$95,717.88
VS-NINTEX-250-E	Nintex 250 Workflow Plan Enterprise Edition	Each	\$143,576.83
VS-NINTEX-500-S	Nintex 500 Workflow Plan Standard Edition	Each	\$143,576.83
VS-NINTEX-500-E	Nintex 500 Workflow Plan Enterprise Edition	Each	\$215,365.24
VS-NINTEX-U-200-S	Nintex Workflow Plan for Less Than 200 Users Standard Edition	Each	\$19,111.99
VS-NINTEX-U-200-E	Nintex Workflow Plan for Less Than 200 Users Enterprise Edition	Each	\$28,667.51
VS-NINTEX-U-500-S	Nintex Workflow Plan for 201 to 500 Users Standard Edition	Each	\$31,874.06
VS-NINTEX-U-500-E	Nintex Workflow Plan for 201 to 500 Users Enterprise Edition	Each	\$47,811.08
VS-NINTEX-U-999-S	Nintex Workflow Plan for 501 to 999 Users Standard Edition	Each	\$57,399.14
VS-NINTEX-U-999-E	Nintex Workflow Plan for 501 to 999 Users Enterprise Edition	Each	\$86,098.24
VS-NINTEX-U-2499-S	Nintex Workflow Plan for 1000 to 2499 Users Standard Edition	Each	\$114,829.87
VS-NINTEX-U-2499-E	Nintex Workflow Plan for 1000 to 2499 Users Enterprise Edition	Each	\$172,244.33
VS-NINTEX-U-4999-S	Nintex Workflow Plan for 2500 to 4999 Users Standard Edition	Each	\$159,497.58
VS-NINTEX-U-4999-E	Nintex Workflow Plan for 2500 to 4999 Users Enterprise Edition	Each	\$239,246.85

**TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES
(SPECIAL ITEM NUMBER 54151S)**

1 SCOPE

The prices, terms and conditions stated under Special Item Number 54151S Information Technology Professional Services apply exclusively to IT Professional Services within the scope of this Information Technology Schedule.

The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2 PERFORMANCE INCENTIVES I-FSS-60 PERFORMANCE INCENTIVES (APRIL 2000)

Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.

The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.

Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3 ORDER

Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made, and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.

All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4 PERFORMANCE OF SERVICES

The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.

The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.

The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5 STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor,

and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- Cancel the stop-work order; or
- Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-

- The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
- The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6 INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I OCT 2008) (DEVIATION I - FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

7 RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data - General, may apply.

8 RESPONSIBILITY OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Professional Services.

9 INDEPENDENT CONTRACTOR

All IT Professional Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10 ORGANIZATIONAL CONFLICTS OF INTEREST

Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11 INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

12 PAYMENT

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007) Time-and Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition. As prescribed in 16.601(e)(3), insert the following provision:

The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.

The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—

- The offeror;
- Subcontractors; and/or
- Divisions, subsidiaries, or affiliates of the offeror under a common control.

13 RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

14 INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15 APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

LABOR CATEGORY DESCRIPTIONS
ARCHITECT, SENIOR
Responsible for design and development of new software or extensive software revisions for external customers. Knowledgeable about creating high-level architectural specifications and addressing problems of systems integration, compatibility. Performs research and reports to management as necessary. Minimum Experience: 8 Minimum Education: Bachelor's Degree
ARCHITECT, EXPERT
Responsible for design and development of new software or extensive software revisions for external customers. Serves as the technical expert by creating high-level architectural specifications and addressing problems of systems integration, compatibility. Performs research on the potential project feasibility to management. Minimum Experience: 10 Minimum Education: Bachelor's Degree
ARCHITECT SME
Responsible for design and development of new software or extensive software revisions for external customers. Serves as the top level technical expert by creating high-level architectural specifications and addressing problems of systems integration, compatibility. Performs research on the potential project feasibility to management. Minimum Experience: 12 Minimum Education: Master's Degree
BUSINESS ANALYST
Analyzes system requirements and assists in design and development activities. Conducts gap analysis between current solution and customer requirements. Works with clients to demonstrate changes for system needs. Creates and designs the reports and metrics for tracking business and product success. Minimum Experience: 4 Minimum Education: Bachelor's Degree
BUSINESS ANALYST, SENIOR
Analyzes system requirements and assists in design and development activities. Conducts gap analysis between current solution and customer requirements. Works with clients to demonstrate changes for system needs. Creates and designs the reports and metrics for tracking business and product success. Minimum Experience: 8 Minimum Education: Bachelor's Degree
BUSINESS ANALYST, EXPERT
Analyzes system requirements and assists in design and development activities. Conducts gap analysis between current solution and customer requirements. Works with clients to demonstrate changes for system needs. Creates and designs the reports and metrics for tracking business and product success. Minimum Experience: 10 Minimum Education: Bachelor's Degree
BUSINESS PROCESS ANALYST
Researches, analyzes, and recommends improvements to an organization's business processes in order to improve overall organization performance. Studies operational and performance data to identify trends and opportunities for improvement. Develops project plans, communicates changes and may provide training to impacted business units. Minimum Experience: 4 Minimum Education: Bachelor's Degree

<p>BUSINESS PROCESS ANALYST SME</p> <p>Senior consultant with extensive knowledge in business process analysis and/or a designated field or discipline. Facilitates implementation of business processes re-engineering methodologies. Serves as the principal business or technical advisor for large, complex projects, and provides expertise in the areas of business process reengineering, process and productivity improvement, organizational assessment and evaluation, process modeling and simulation, strategic and business planning, change management strategies, management, organizational development, management consulting, and cross-team facilitation. May contribute to the evaluation, analysis, and recommendations of business solutions based on enterprise system products.</p> <p>Minimum Experience: 12 Minimum Education: Master’s Degree</p>
<p>CHANGE MANAGEMENT SPECIALIST, EXPERT</p> <p>Evaluates the impact of change, including the implementation or revision of business processes, systems and technology. Conducts an organizational assessment to determine change management strategies that minimize disruption and ensure optimal results. Offers recommendations to senior management based on research and experience. Relies on extensive knowledge and professional discretion to achieve goals.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor’s Degree</p>
<p>CONFIGURATION MANAGEMENT SPECIALIST, ASSOCIATE</p> <p>Assists in supporting configuration management planning. Describes provisions for configuration identification, change control, configuration status accounting, and configuration audits. Identifies and maintains the original configuration of requirements documentation, design documentation, software, and related documentation. Responsible for configuration change control. Supports the change process so that only approved and validated changes are incorporated into product documents and related software. Responsible for configuration status accounting. Tracks all problems and changes in product documents and software and reports changes and current configuration.</p> <p>Minimum Experience: 0 Minimum Education: Bachelor’s Degree</p>
<p>CONFIGURATION MANAGEMENT SPECIALIST</p> <p>Supports configuration management planning. Describes provisions for configuration identification, change control, configuration status accounting, and configuration audits. Supports configuration planning. Identifies and maintains the original configuration of requirements documentation, design documentation, software, and related documentation. Responsible for configuration change control. Supports the change process so that only approved and validated changes are incorporated into product documents and related software. Responsible for configuration status accounting. Tracks all problems and changes in product documents and software and reports changes and current configuration. Responsible for configuration audits. Supports audits to verify that requirements of all baselines have been met.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor’s Degree</p>
<p>DATA MANAGEMENT SME</p> <p>Designs and builds relational databases. Develops strategies for data acquisitions, archive recovery, and implementation of a database. Works in a data warehouse environment, which includes data design, database architecture, metadata and repository creation. Translates business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Develops data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Evaluates reusability of current data for additional analyses. Reviews object and data models and the metadata repository to structure the data for better management and quicker access.</p> <p>Minimum Experience: 12 Minimum Education: Bachelor’s Degree</p>

<p>DATA MANAGEMENT SPECIALIST, SENIOR</p> <p>Performs technical administration duties for data warehouse development and maintenance. Provides technical support and coordination during warehouse design, testing and movement to production. Acts as a liaison between engineers, data architects, programmers, and analysts. Implements and enforces standards and procedures to ensure data is managed consistently and properly integrated within the warehouse. Implements business rules via stored procedures, middleware, or other technologies.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>DEVELOPER</p> <p>Under general supervision, develops codes, tests, and debugs new software or enhancements to existing software. Has good understanding of business applications. Works with technical staff to understand problems with software and resolve them. Resolves customer complaints with software and responds to suggestions for improvements and enhancements. May assist in development of software user manuals.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>DEVELOPER, SENIOR</p> <p>Responsible for developing, testing, implementing, and maintaining web-based application systems, such as user interface, e-commerce applications, site animation. Troubleshoots and solves the software issues. Researches technical problems and suggests improvements for web applications. Knowledge about commonly-used web developing language as necessary.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>DEVELOPER SME</p> <p>Expert knowledge in design, development. Responsible for leading team in designing, developing, testing, implementing, and maintaining application systems. Provides expert troubleshooting, solving complicated software issues. Researches technical problems and suggests improvements as needed. Analyzes and integrates new products/technologies with existing applications to improve the design and application functionality. Is knowledgeable about multiple commonly-used developing languages as necessary.</p> <p>Minimum Experience: 12 Minimum Education: Bachelor's Degree</p>
<p>DEVELOPMENT MANAGER, SENIOR</p> <p>Manages the development and establishment of department standards and procedures. Directs and coordinates system analysis efforts to maintain and upgrade current systems. Manages software and/or product related technology. Oversees all steps of system development life cycles to assure conformance with established standards. Lead a team of dynamic software developers to build and maintain a platform that supports workdays main customer interface using the Agile Scrum methodology.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>ENGINEERING SME</p> <p>Provides extremely high-level subject matter expertise for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems which require expert level knowledge of the subject matter for effective implementation. Applies principles, methods, and knowledge of specific functional areas of expertise to specific task order requirements. Provides advice on esoteric problems which require extensive knowledge of the subject matter. Designs and prepares technical reports, studies, and related documentation, makes charts and graphs to record results, prepares and delivers presentations, training, and briefings as required by the task order.</p> <p>Minimum Experience: 12 Minimum Education: Bachelor's Degree</p>

<p>FUNCTIONAL SME</p> <p>Provides technical, managerial, or administrative direction for problem definition, analysis, requirements development and implementation for complex to extremely complex systems in the subject matter area. Makes recommendations and advises on system improvements in the following specialties: information systems architecture; networking; telecommunications; automation; communications protocols; risk management/electronic analysis; software; life-cycle management; software development methodologies; and modeling and simulation. Also provides technical, managerial, or administrative direction for functional domains, related to IT systems and projects.</p> <p>Minimum Experience: 12 Minimum Education: Bachelor's Degree</p>
<p>GOVERNANCE ARCHITECT</p> <p>Designs and implements customer master data solution; manages metadata repository and enrichment. Coordinate with data stewards to capture and validate business definitions, technical metadata, and data quality requirements. Creates and maintains critical data model, metadata, documentation that allows data to be understood and leveraged as a shared asset. Assist in developing and maintaining data governance reporting. Conducts deep dive analysis of data/logic flow to support regulatory and other data integration; leverages current state analysis to contribute to future state requirements, design; ensures operational interactions with data quality lead for issues around critical data that impacts architecture; ensures operational interactions with data remediation team to protect integrity of logical data models.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>HELP DESK TECHNICIAN</p> <p>Provides support to end users on a variety of issues. Identifies, researches, and resolves technical problems. Responds to telephone calls, email and personnel requests for technical support. Documents, tracks, and monitors the problem to ensure a timely resolution.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>INFORMATION ARCHITECT, EXPERT</p> <p>Participates as high-level technical expert in design development, coding, testing, and debugging new software or significant enhancements to existing software. Works with technical staff to understand problems with software and develops specifications to resolve them. Resolves customer complaints and responds to suggestions for improvements and enhancements. Participates in the development of software user manuals. May act as team leader on less complex projects.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>PRINCIPAL MANAGEMENT CONSULTANT</p> <p>Principal Management Consultant is the functional or industry expert within the areas of strategic planning, process analysis, benchmarking, and organizational and operational issues. Conducts economic and business case analysis, risk studies, and feasibility and technical trade-off studies in support of mission and program goals.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>PRINCIPAL SME</p> <p>Principal Subject Matter Expert provides unique and specialized expertise on a specific business, technical or management subject. The SME may serve as a senior advisor / analyst customer's executive management team for functional expertise. The SME must have strong writing and communications skills and the ability to interface with senior and executive management.</p> <p>Minimum Experience: 12 Minimum Education: Master's Degree</p>

<p>PROGRAM MANAGER – ACQUISITION, SENIOR</p> <p>Serves as Acquisition expert on programs by providing technical and management expertise consisting of conducting or participating in technical and operational aspects of programs and tasks. Provides advice in competitive sourcing and outsourcing methods and value chain analysis. Identifies best acquisition practices as related to the program / task.</p> <p>Minimum Experience: 8 Minimum Education: Master’s Degree</p>
<p>PROGRAM MANAGER – FINANCIAL, EXPERT</p> <p>Responsible for managing finance-related high-priority programs/projects on-time and on-budget. Directs all activities associated with the program/project in accordance with the established policies, procedures, and requirements of customer specifications. Proactively monitors programs/projects throughout the program/project life cycle from inception to completion. Responsible for program/project scope, planning, monitoring and reporting cost and schedule. Provides technical and management expertise by conducting or participating in technical and operational aspects of projects and tasks. Identifies best acquisition practices as related to the project / task.</p> <p>Minimum Experience: 10 Minimum Education: Master’s Degree</p>
<p>PROGRAM MANAGER – FUNCTIONAL, SENIOR</p> <p>Has management authority within a business unit/department or program with direct supervision over one or more resources on the project/program team, and/or direct responsibility for the functions affected by or that affect the project/program deliverable(s). Identifies best acquisition practices as related to the program / task.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor’s Degree</p>
<p>PROGRAM MANAGER – TECHNICAL, SENIOR</p> <p>Provides technical and management expertise by conducting or participating in technical and operational aspects of programs and tasks. Serves as lead management on a program and advises technical team as necessary. Identifies best practices as related to the program / task.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor’s Degree</p>
<p>PROGRAM MANAGER I</p> <p>Responsible for and leads team on small to medium projects. Translates customer requirements into formal agreements and plans to culminate in customer acceptance or results. Possesses expert knowledge of business processes. Responsible for performance, cost, scope, schedule, quality, and appropriate business measurements for their project, according to their project charter. Has extensive professional knowledge of market segment/industry/technology/ discipline trends.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor’s Degree</p>
<p>PROGRAM MANAGER II</p> <p>Responsible for and leads team on large complex projects. Translates customer requirements into formal agreements and plans to culminate in customer acceptance or results. Possesses expert knowledge of business processes. Responsible for performance, cost, scope, schedule, quality, and appropriate business measurements for their project, according to their project charter. Has extensive professional knowledge of market segment/industry/ technology/discipline trends.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor’s Degree</p>
<p>PROJECT MANAGER I</p> <p>Responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact for those projects. Takes projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports.</p>

<p>Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions of problems.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>PROJECT MANAGER II</p>
<p>Develop and execute software tests to identify software problems and their causes. Test system modifications to prepare for implementation. Document software and application defects using a bug tracking system and report defects to software or web developers. Create and maintain databases of known defects. May participate in software design reviews to provide input on functional requirements, operational characteristics, product designs, and schedules.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>QUALITY ASSURANCE ANALYST</p>
<p>Develop and execute software tests to identify software problems and their causes. Test system modifications to prepare for implementation. Document software and application defects using a bug tracking system and report defects to software or web developers. Create and maintain databases of known defects. May participate in software design reviews to provide input on functional requirements, operational characteristics, product designs, and schedules.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>QUALITY MANAGER, SENIOR</p>
<p>Carries out procedures to ensure that all information systems, products and services meet organization standards and end-user requirements. Performs and leads tests of software to ensure proper operation and freedom from defects. May create test data for applications. Documents and works to resolve all complex problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Acts as information resource about assigned areas to technical writers and other Quality Assurance Analysts. Performs complex workflow analysis and recommends quality improvements. In some cases, serves as corporate quality manager as needed.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>SCRUM MASTER, SENIOR</p>
<p>Assists with coordinating an agile development team, ensures all activities use the principles of the Scrum Framework. Works to help the team self-organize and adopt an attitude of continuous improvement. Actively identifies and removes impediments in order to ensure that assigned sprints and projects are completed on time. Tracks and reports daily schedules.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>SCRUM MASTER, EXPERT</p>
<p>Coordinates an agile development team and facilitates/guides cross functional teams in the execution of multiple development projects using the principles of the Scum framework. Helps the team to self-organize and adopt an attitude of continuous improvement. Actively identifies and removes impediments in order to ensure that assigned sprints and projects are completed on time. Tracks and reports daily schedules.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>

<p>SCRUM MASTER SME</p> <p>Expert in field. Facilitates and leads cross functional teams in the execution of multiple development projects using the principles of the Scum framework. Takes a coach/mentor approach to help the team self-organize and adopt an attitude of continuous improvement. Actively identifies and removes impediments in order to ensure that assigned sprints and projects are completed on time. Tracks and reports daily schedules.</p> <p>Minimum Experience: 12 Minimum Education: Bachelor's Degree</p>
<p>SOFTWARE ENGINEER</p> <p>Assists with Designs, codes, tests, debugs, and documents those programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. May assist other systems programmers to effectively utilize the system's technical software.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>SOFTWARE ENGINEER, SENIOR</p> <p>Designs, codes, tests, debugs, and documents those programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Competent to work at this highest technical level on all phases of software systems programming applications. May have responsibility for the evaluation of new and existing software products. May assist other systems programmers to effectively utilize the system's technical software.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>SOFTWARE ENGINEER, EXPERT</p> <p>Formulates and defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Competent to work at this highest technical level on all phases of software systems programming applications. May have responsibility for the evaluation of new and existing software products. May assist other systems programmers to effectively utilize the system's technical software.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>SOLUTION ARCHITECT, EXPERT</p> <p>Serves as a Software Lead on projects to plan activities, coordinate and conduct software development, facilitate code reviews, champion process improvement, and support the agile processes. Works with customers to understand its needs and requirements. Participates in requirements gathering, gathering data requirements, and assisting in the reconciliation of technical requirements from Enterprise architecture perspective. Has deep technical knowledge in architecture, designing, and Integrating new Solutions in a large-scale enterprise of highly distributed applications.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>SOLUTIONS SPECIALIST, SENIOR</p> <p>Works with Solution Architect to understand customer requirements. Participates in requirements gathering, gathering data requirements, and assisting in the reconciliation of technical requirements.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>

<p>SW DEVELOPMENT SME</p> <p>Provides technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, and implementation advice on exceptionally complex problems that necessitate high-level knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, modeling, simulation, testing, integration, documentation and presentation phases.</p> <p>Minimum Experience: 12 Minimum Education: Master's Degree</p>
<p>TECHNICAL WRITER</p> <p>Assist in collecting and organizing information for preparation of user manuals, training materials, installation guides, proposals, and reports. Edit functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and documents.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>TECHNICAL WRITER, SENIOR</p> <p>Collects and organizes information for preparation of user manuals, training materials, installation guides, proposals, and reports. Writes and edits functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and documents.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>TECHNICAL WRITER, EXPERT</p> <p>Researches, organizes, writes, edits, and produces technical data for major publication projects. Organizes material and writes descriptive copy according to standards regarding order, clarity, conciseness, style, and terminology. Ensures technical documentation is accurate, complete, meets editorial and government specifications and adheres to standards for quality, graphics, coverage, format, and style. May participate in the establishment of style guidelines and standards for texts and illustrations. May provide work leadership for lower level employees.</p> <p>Minimum Experience: 10 Minimum Education: Bachelor's Degree</p>
<p>TEST ENGINEER</p> <p>Assists in ensuring that quality software is provided for release to production by executing test scripts. Reviews requirements, specifications and documentation to gain a thorough understanding of the programs and processes to be certified. Provides or validates estimates for assigned tasks. Creates and modifies test scripts to certify system changes. Maintains test databases and ensures their integrity and currency. Distributes test data from control database to development staff to satisfy adequate unit testing. Assists with the release of completed projects into production. May perform program changes as necessary.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>TEST ENGINEER, SENIOR</p> <p>Ensures that quality software is provided for release to production by independently writing and executing test scripts. Reviews requirements, specifications and documentation to gain a thorough understanding of the programs and processes to be certified. Creates and modifies test scripts to certify system changes. Develops test control databases. Maintains test databases and ensures their integrity and accuracy. Distributes test data from control database to development staff to satisfy adequate unit testing. Assists with configuration management tasks on a project (test scripts, source code control, and coordination of requirement changes) as required. Releases completed projects into production. May write trace-ability matrices and test reports. May perform program changes or develop software programs as required.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>

<p>TRAINER, SENIOR</p> <p>Researches, develops and revises training courses and prepares appropriate training materials. Develops all student materials (i.e.: course manuals, workbooks, handouts, etc.). Trains personnel by conducting formal classroom courses, workshops, seminars, on-the-job training and/or computer based/computer aided training. Uses a variety of training evaluation methods to determine training effectiveness.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor’s Degree</p>
<p>CLOUD ARCHITECT, SENIOR</p> <p>Develops and implements cloud migration strategies. Defines the operational processes to effectively manage the cloud environment and integrate with upstream DevOps pipelines and Software as a Service applications. Provides Technical leadership in system integration and promotes best practices in this area. Leads the technical planning requirements gathering phases including estimate, develop, test, manage projects, architect and deliver. Serves as a technical lead and mentor.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor’s Degree</p>
<p>CLOUD ARCHITECT, EXPERT</p> <p>Develops and implements cloud migration strategies. Defines the operational processes to effectively manage the cloud environment and integrate with upstream DevOps pipelines and Software as a Service applications. Provides Technical leadership in system integration and promotes best practices in this area. Leads the technical planning requirements gathering phases including estimate, develop, test, manage projects, architect and deliver. Serves as a technical lead and mentor.</p> <p>Minimum Experience: 10 Minimum Education: Master’s Degree</p>
<p>CLOUD DEVELOPER, ASSOCIATE</p> <p>Junior developer works with agile team in developing functional applications that communicate with various backend systems. Creates custom general use modules and component which extend the elements and modules of core AngularJS; creates configuration, build, and test scripts for Continuous Integration environments; documenting the code inline using JSDoc or other conventions; writes extensive unit tests using automated TDD tasks.</p> <p>Minimum Experience: 0 Minimum Education: Bachelor’s Degree</p>
<p>CLOUD DEVELOPER</p> <p>Responsible for developing, testing, implementing, and maintaining web-based application systems, such as user interface, e-commerce applications, site animation. Troubleshoots and solves the software issues. Researches technical problems and suggests improvements for web applications. Knowledge about commonly-used web developing language (e.g., HTML, Java, PHP, JSP, ASP.Net, Python, AJAX) is necessary.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor’s Degree</p>
<p>CLOUD DEVELOPER, SENIOR</p> <p>Works independently designing and developing new software products or major enhancements to existing software. May lead a large development team in the design of highly complex software systems. Acts as highest-level technical expert, addressing problems of systems integration, compatibility, and multiple platforms. Responsible for project completion. Performs feasibility analysis on potential future projects to management.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor’s Degree</p>

<p>CLOUD PROJECT MANAGER</p> <p>Responsible for and leads team on small to medium complex projects. Translates customer requirements into formal agreements and plans to culminate in customer acceptance or results. Possesses expert knowledge of business processes. Responsible for performance, cost, scope, schedule, quality, and appropriate business measurements for their project, according to their project charter.</p> <p>Works independently designing and developing new software products or major enhancements to existing software. May lead a large development team in the design of highly complex software systems. Acts as highest-level technical expert, addressing problems of systems integration, compatibility, and multiple platforms. Responsible for project completion. Performs feasibility analysis on potential future projects to management.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>
<p>CLOUD PROJECT MANAGER, SENIOR</p> <p>Responsible for and leads team on large complex projects. Translates customer requirements into formal agreements and plans to culminate in customer acceptance or results. Possesses expert knowledge of business processes. Responsible for performance, cost, scope, schedule, quality, and appropriate business measurements for their project, according to their project charter. Has extensive professional knowledge of market segment/industry/technology/discipline trends.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>CYBERSECURITY ANALYST, SENIOR</p> <p>Responsible for assessing information risk and facilitates remediation of identified vulnerabilities for IT security and IT risk across the enterprise. Report findings and recommendations for corrective action. Performs vulnerability assessments as assigned utilizing IT security tools and methodologies. Performs assessments of the IT security/risk posture within the IT network, systems and software applications, in addition to assessments. Uses technical skills to help respond to threats and emergency security incidents in a timely manner. Help develop solutions or improvements to prevent malicious activity.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>CLOUD QUALITY MANAGER, SENIOR</p> <p>Carries out procedures to ensure that all information systems, products and services meet organization standards and end-user requirements. Performs and leads tests of software to ensure proper operation and freedom from defects. May create test data for applications. Documents and works to resolve all complex problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Acts as information resource about assigned areas to technical writers and other Quality Assurance Analysts. Performs complex workflow analysis and recommends quality improvements.</p> <p>Minimum Experience: 8 Minimum Education: Bachelor's Degree</p>
<p>CLOUD TEST ENGINEER</p> <p>Ensures that quality software is provided for release to production by independently executing test scripts. Writes test scripts. Reviews requirements, specifications and documentation to gain a thorough understanding of the programs and processes to be certified. Provides or validates estimates for assigned tasks. Creates and modifies test scripts to certify system changes. Develops test control databases. Maintains test databases and ensures their integrity and currency. Distributes test data from control database to development staff to satisfy adequate unit testing. Assists with configuration management tasks on a project (test scripts, source code control, coordination of requirement changes) as required. Releases completed projects into production. May write trace-ability matrices and test reports. May perform program changes or develop software programs as required.</p> <p>Minimum Experience: 4 Minimum Education: Bachelor's Degree</p>

UX DEVELOPER, SENIOR

Designs the visual layout for web-based applications with the goal of enhancing appeal to the user while maximizing functionality. Designs graphics, pages, forms, and navigation schema. Translates user research into programs, scripts, and interfaces that meet the organization's business goals. Requires familiarity with HTML and various graphic design software packages.

Minimum Experience: 8

Minimum Education: Bachelor's Degree

Labor Category	Year 1 08/21/18- 08/20/19	Year 2 08/21/19- 08/20/20	Year 3 08/21/20- 08/20/21	Year 4 08/21/21- 08/20/22	Year 5 08/21/22- 08/20/23
Architect, Senior	\$141.64	\$145.18	\$148.81	\$152.53	\$156.35
Architect, Expert	\$159.60	\$163.59	\$167.68	\$171.87	\$176.17
Architect SME	\$166.69	\$170.86	\$175.13	\$179.51	\$183.99
Business Analyst	\$72.44	\$74.25	\$76.10	\$78.01	\$79.96
Business Analyst, Senior	\$79.80	\$81.79	\$83.84	\$85.93	\$88.08
Business Analyst, Expert	\$100.05	\$102.55	\$105.11	\$107.74	\$110.43
Business Process Analyst	\$75.93	\$77.83	\$79.77	\$81.77	\$83.81
Business Process Analyst SME	\$146.42	\$150.08	\$153.83	\$157.68	\$161.62
Change Management Specialist, Expert	\$99.79	\$102.28	\$104.84	\$107.46	\$110.15
Configuration Management Specialist, Associate	\$64.65	\$66.26	\$67.92	\$69.62	\$71.36
Configuration Management Specialist	\$84.89	\$87.01	\$89.18	\$91.41	\$93.70
Data Management SME	\$208.25	\$213.46	\$218.80	\$224.27	\$229.87
Data Management Specialist, Senior	\$163.76	\$167.85	\$172.05	\$176.35	\$180.76
Developer	\$84.46	\$86.57	\$88.73	\$90.95	\$93.22
Developer, Senior	\$102.15	\$104.71	\$107.32	\$110.01	\$112.76
Developer SME	\$134.66	\$138.03	\$141.48	\$145.01	\$148.64
Development Manager, Senior	\$148.75	\$152.47	\$156.29	\$160.19	\$164.20
Engineering SME	\$147.16	\$150.84	\$154.61	\$158.47	\$162.44
Functional SME	\$148.50	\$152.21	\$156.01	\$159.91	\$163.91
Governance Architect	\$139.22	\$142.70	\$146.27	\$149.92	\$153.67
Help Desk Technician	\$76.33	\$78.24	\$80.19	\$82.20	\$84.25
Information Architect, Expert	\$155.93	\$159.82	\$163.82	\$167.92	\$172.11
Principal Management Consultant	\$153.50	\$157.34	\$161.27	\$165.31	\$169.44
Principal SME	\$185.27	\$189.90	\$194.65	\$199.52	\$204.51
Program Manager - Acquisition, Senior	\$130.80	\$134.07	\$137.42	\$140.86	\$144.38
Program Manager - Financial, Expert	\$141.94	\$145.49	\$149.13	\$152.86	\$156.68
Program Manager - Functional, Senior	\$131.28	\$134.56	\$137.92	\$141.37	\$144.91
Program Manager - Technical, Senior	\$134.44	\$137.80	\$141.25	\$144.78	\$148.40
Program Manager I	\$131.10	\$134.38	\$137.74	\$141.18	\$144.71
Program Manager II	\$151.94	\$155.73	\$159.63	\$163.62	\$167.71
Project Manager I	\$144.71	\$148.33	\$152.04	\$155.84	\$159.74
Project Manager II	\$145.63	\$149.27	\$153.00	\$156.83	\$160.75
Quality Assurance Analyst	\$87.60	\$89.79	\$92.03	\$94.33	\$96.69
Quality Manager, Senior	\$136.27	\$139.67	\$143.16	\$146.74	\$150.41
Scrum Master, Senior	\$97.61	\$100.05	\$102.56	\$105.12	\$107.75
Scrum Master, Expert	\$150.42	\$154.18	\$158.04	\$161.99	\$166.04
Scrum Master SME	\$166.07	\$170.22	\$174.48	\$178.84	\$183.31
Software Engineer	\$76.31	\$78.21	\$80.17	\$82.17	\$84.23
Software Engineer, Senior	\$91.78	\$94.07	\$96.42	\$98.84	\$101.31
Software Engineer, Expert	\$122.09	\$125.14	\$128.27	\$131.48	\$134.77

Labor Category	Year 1 08/21/18- 08/20/19	Year 2 08/21/19- 08/20/20	Year 3 08/21/20- 08/20/21	Year 4 08/21/21- 08/20/22	Year 5 08/21/22- 08/20/23
Solution Architect, Expert	\$122.56	\$125.62	\$128.77	\$131.98	\$135.28
Solutions Specialist, Senior	\$103.09	\$105.67	\$108.31	\$111.02	\$113.79
SW Development SME	\$171.47	\$175.75	\$180.15	\$184.65	\$189.27
Technical Writer	\$89.42	\$91.66	\$93.95	\$96.30	\$98.71
Technical Writer, Senior	\$95.36	\$97.74	\$100.19	\$102.69	\$105.26
Technical Writer, Expert	\$111.32	\$114.10	\$116.95	\$119.88	\$122.88
Test Engineer	\$95.81	\$98.20	\$100.66	\$103.17	\$105.75
Test Engineer, Senior	\$107.87	\$110.56	\$113.33	\$116.16	\$119.07
Trainer, Senior	\$92.09	\$94.39	\$96.75	\$99.17	\$101.65
Cloud Architect, Senior	\$159.60	\$163.59	\$167.68	\$171.87	\$176.17
Cloud Architect, Expert	\$206.04	\$211.19	\$216.47	\$221.88	\$227.43
Cloud Developer, Associate	\$70.01	\$71.76	\$73.56	\$75.40	\$77.28
Cloud Developer	\$96.21	\$98.61	\$101.08	\$103.60	\$106.19
Cloud Developer, Senior	\$121.02	\$124.05	\$127.15	\$130.33	\$133.59
Cloud Project Manager	\$130.17	\$133.43	\$136.76	\$140.18	\$143.68
Cloud Project Manager, Senior	\$147.37	\$151.05	\$154.83	\$158.70	\$162.66
Cybersecurity Analyst, Senior	\$133.58	\$136.92	\$140.35	\$143.85	\$147.45
Cloud Quality Manager, Senior	\$130.33	\$133.59	\$136.93	\$140.35	\$143.86
Cloud Test Engineer	\$84.46	\$86.57	\$88.73	\$90.95	\$93.23
UX Developer, Senior	\$119.63	\$122.62	\$125.68	\$128.83	\$132.05