



State of Oklahoma
Office of Management and Enterprise Services
Information Services Division

AWARDED VENDOR INFORMATION

Supplier Name: Objectstream, Inc.

Vendor ID#:

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Contract ID #:

P/Card Accepted: Yes No

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Receive ITSW1025

SOW Notifications:

Objectstream, Inc.

Security Design and Support			On-Site Rate
Labor Discipline			On-Site Rate
Level 1	Forensics/Incident response		51.00
Level 2	Forensics/Incident response		85.00
Level 3	Forensics/Incident response		118.00
Level 1	Business Continuity/Disaster recovery Planning		51.00
Level 2	Business Continuity/Disaster recovery Planning		85.00
Level 3	Business Continuity/Disaster recovery Planning		118.00
Level 1	Policy Creation/Compliance		51.00
Level 2	Policy Creation/Compliance		85.00
Level 3	Policy Creation/Compliance		118.00
Level 1	System Hardening		51.00
Level 2	System Hardening		85.00
Level 3	System Hardening		118.00
Level 1	Access Control Methodologies		51.00
Level 2	Access Control Methodologies		85.00
Level 3	Access Control Methodologies		118.00
Level 1	Vulnerability and Penetration testing		51.00
Level 2	Vulnerability and Penetration testing		85.00
Level 3	Vulnerability and Penetration testing		118.00
Level 1	Code Review		51.00
Level 2	Code Review		85.00
Level 3	Code Review		118.00
Level 1	Security Operations Center Staff		41.00
Level 2	Security Operations Center Staff		55.00
Level 3	Security Operations Center Staff		65.00
Administrative Services			On-Site Rate
Labor Discipline			On-Site Rate
Level 1	IT Project management		49.00
Level 2	IT Project management		75.00
Level 3	IT Project management		108.00
Level 1	IT Governance		49.00
Level 2	IT Governance		85.00
Level 3	IT Governance		128.00
Level 1	IT Strategic Planning		49.00
Level 2	IT Strategic Planning		90.00
Level 3	IT Strategic Planning		130.00
Level 1	IT Marketing and branding		49.00
Level 2	IT Marketing and branding		75.00
Level 3	IT Marketing and branding		110.00
Level 1	IT Costing and Rate Analysis		49.00
Level 2	IT Costing and Rate Analysis		68.00
Level 3	IT Costing and Rate Analysis		110.00
Level 1	IT CRM		49.00
Level 2	IT CRM		75.00
Level 3	IT CRM		137.00
Level 1	IT Physical Workspace Planning		49.00
Level 2	IT Physical Workspace Planning		78.00
Level 3	IT Physical Workspace Planning		128.00
Level 1	IT Asset Lifecycle Management		49.00
Level 2	IT Asset Lifecycle Management		65.00
Level 3	IT Asset Lifecycle Management		95.00
Level 1	Usability Consulting		49.00
Level 2	Usability Consulting		85.00
Level 3	Usability Consulting		128.00
Level 1	Process/Service Improvement Coordinators		41.00
Level 2	Process/Service Improvement Coordinators		55.00
Level 3	Process/Service Improvement Coordinators		65.00
Level 1	Service Level Agreement		49.00
Level 2	Service Level Agreement		68.00
Level 3	Service Level Agreement		95.00

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Level 1	IT Portfolio Management	49.00
Level 2	IT Portfolio Management	85.00
Level 3	IT Portfolio Management	128.00
Level 1	Business Requirements Gathering	50.00
Level 2	Business Requirements Gathering	75.00
Level 3	Business Requirements Gathering	105.00
Level 1	Business Analysts	50.00
Level 2	Business Analysts	75.00
Level 3	Business Analysts	105.00
Level 1	Business Process ENG/MGT and Assessment	50.00
Level 2	Business Process ENG/MGT and Assessment	75.00
Level 3	Business Process ENG/MGT and Assessment	105.00
Level 1	Technical Writer	41.00
Level 2	Technical Writer	65.00
Level 3	Technical Writer	85.00
Level 1	IT End-User Trainer	45.00
Level 2	IT End-User Trainer	65.00
Level 3	IT End-User Trainer	95.00
Level 1	Capacity Planning & Performance Specialist	49.00
Level 2	Capacity Planning & Performance Specialist	58.00
Level 3	Capacity Planning & Performance Specialist	85.00

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System and System Component Administration Services			
	Labor Discipline		On-Site Rate
Level 1	Local Area network LAN Maintenance or Support		41.00
Level 2	Local Area network LAN Maintenance or Support		55.00
Level 3	Local Area network LAN Maintenance or Support		65.00
Level 1	Database analysis service		51.00
Level 2	Database analysis service		85.00
Level 3	Database analysis service		128.00
Level 1	Computer or network or internet security		51.00
Level 2	Computer or network or internet security		85.00
Level 3	Computer or network or internet security		118.00
Level 1	System installation service		51.00
Level 2	System installation service		85.00
Level 3	System installation service		118.00
Level 1	System analysis service		51.00
Level 2	System analysis service		85.00
Level 3	System analysis service		128.00
Level 1	Software coding service		51.00
Level 2	Software coding service		85.00
Level 3	Software coding service		128.00
Level 1	Mainframe administration services		55.00
Level 2	Mainframe administration services		85.00
Level 3	Mainframe administration services		110.00
Level 1	Wide area network WAN maintenance or support		41.00
Level 2	Wide area network WAN maintenance or support		55.00
Level 3	Wide area network WAN maintenance or support		65.00
Level 1	Mainframe Protection Control/Scheduling - Global Variable		55.00
Level 2	Mainframe Protection Control/Scheduling - Global Variable		85.00
Level 3	Mainframe Protection Control/Scheduling - Global Variable		110.00
Management Information System MS			
	Labor Discipline		On-Site Rate
Level 1	Telecommunications Planning Services		49.00
Level 2	Telecommunications Planning Services		75.00
Level 3	Telecommunications Planning Services		110.00
Level 1	System architecture		49.00
Level 2	System architecture		85.00
Level 3	System architecture		128.00
Level 1	Wide area network communication design		49.00
Level 2	Wide area network communication design		75.00
Level 3	Wide area network communication design		110.00
Level 1	Local area network communication design		49.00
Level 2	Local area network communication design		75.00
Level 3	Local area network communication design		110.00
Level 1	Database design		51.00
Level 2	Database design		85.00
Level 3	Database design		128.00
Level 1	Network Planning Services		49.00
Level 2	Network Planning Services		75.00
Level 3	Network Planning Services		110.00
Level 1	Systems Planning Services		51.00
Level 2	Systems Planning Services		85.00
Level 3	Systems Planning Services		128.00
Level 1	Quality Assurance Inspector/Analyst		49.00
Level 2	Quality Assurance Inspector/Analyst		55.00
Level 3	Quality Assurance Inspector/Analyst		75.00
Level 1	Database Administrators		51.00
Level 2	Database Administrators		85.00
Level 3	Database Administrators		128.00
Level 1	Enterprise Service Bus Engineer		51.00
Level 2	Enterprise Service Bus Engineer		85.00
Level 3	Enterprise Service Bus Engineer		128.00
Level 1	RDS Print Manager		41.00
Level 2	RDS Print Manager		55.00
Level 3	RDS Print Manager		65.00
Level 1	QC Tester		41.00
Level 2	QC Tester		55.00
Level 3	QC Tester		95.00
Level 1	Change Coordinators		41.00
Level 2	Change Coordinators		55.00
Level 3	Change Coordinators		65.00
Level 1	Quality Control Planner		49.00
Level 2	Quality Control Planner		70.00
Level 3	Quality Control Planner		95.00
Level 1	Quality Control Tester		41.00
Level 2	Quality Control Tester		55.00
Level 3	Quality Control Tester		95.00
Installation Services			
	Labor Discipline		On-Site Rate
Level 1	Network/Phone Cabling		49.00
Level 2	Network/Phone Cabling		75.00
Level 3	Network/Phone Cabling		110.00
Level 1	Security Cameras		49.00
Level 2	Security Cameras		75.00
Level 3	Security Cameras		110.00
Level 1	Classroom Technology		49.00
Level 2	Classroom Technology		75.00
Level 3	Classroom Technology		110.00
System Design and Support			
	Labor Discipline		On-Site Rate
Level 1	Linux		49.00
Level 2	Linux		65.00
Level 3	Linux		95.00
Level 1	Apple		49.00
Level 2	Apple		65.00
Level 3	Apple		95.00
Level 1	Microsoft		49.00
Level 2	Microsoft		65.00
Level 3	Microsoft		95.00
Level 1	Solaris		49.00
Level 2	Solaris		65.00
Level 3	Solaris		95.00
Level 1	Network		49.00
Level 2	Network		65.00
Level 3	Network		95.00
Level 1	High-performance Computing		49.00
Level 2	High-performance Computing		85.00

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Level 3	High-performance Computing	128.00
Level 1	Avaya/Nortel Telephony/IP Telephony	49.00
Level 2	Avaya/Nortel Telephony/IP Telephony	85.00
Level 3	Avaya/Nortel Telephony/IP Telephony	128.00
Level 1	Performance and Monitoring	49.00
Level 2	Performance and Monitoring	85.00
Level 3	Performance and Monitoring	128.00
Security		
	Labor Discipline	On-Site Rate
Level 1	Security Governance and Management	51.00
Level 2	Security Governance and Management	85.00
Level 3	Security Governance and Management	128.00
Level 1	Security Policies and Procedures	51.00
Level 2	Security Policies and Procedures	85.00
Level 3	Security Policies and Procedures	128.00
Level 1	Incident Response and Forensics	51.00
Level 2	Incident Response and Forensics	85.00
Level 3	Incident Response and Forensics	118.00
Level 1	Risk management	51.00
Level 2	Risk management	85.00
Level 3	Risk management	118.00
Level 1	Data Classification and Protection	51.00
Level 2	Data Classification and Protection	85.00
Level 3	Data Classification and Protection	118.00
Level 1	Vulnerability Assessment and Penetration Testing	51.00
Level 2	Vulnerability Assessment and Penetration Testing	85.00
Level 3	Vulnerability Assessment and Penetration Testing	118.00
Level 1	Application Security	51.00
Level 2	Application Security	85.00
Level 3	Application Security	118.00
Level 1	Access Controls	51.00
Level 2	Access Controls	85.00
Level 3	Access Controls	118.00
Level 1	Network Security	51.00
Level 2	Network Security	85.00
Level 3	Network Security	118.00
Level 1	Security Architectures	51.00
Level 2	Security Architectures	85.00
Level 3	Security Architectures	128.00
Level 1	Identity management	51.00
Level 2	Identity management	85.00
Level 3	Identity management	118.00
Level 1	Data Encryption	51.00
Level 2	Data Encryption	85.00
Level 3	Data Encryption	118.00
Level 1	HIPAA/Privacy	55.00
Level 2	HIPAA/Privacy	95.00
Level 3	HIPAA/Privacy	130.00

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Data Services			On-Site Rate
	Labor Discipline		
Level 1	Disaster Recovery Services		51.00
Level 2	Disaster Recovery Services		85.00
Level 3	Disaster Recovery Services		128.00
Level 1	Data Conversion Services		51.00
Level 2	Data Conversion Services		85.00
Level 3	Data Conversion Services		128.00
Level 1	Data Center Services		51.00
Level 2	Data Center Services		85.00
Level 3	Data Center Services		128.00
Security Risk Assessment Consulting			On-Site Rate
	Labor Discipline		
Level 1	Evaluate Network Security (WAN & Backbone components)		51.00
Level 2	Evaluate Network Security (WAN & Backbone components)		95.00
Level 3	Evaluate Network Security (WAN & Backbone components)		130.00
Level 1	Identify Vulnerabilities (Network Element & Architecture Security)		51.00
Level 2	Identify Vulnerabilities (Network Element & Architecture Security)		95.00
Level 3	Identify Vulnerabilities (Network Element & Architecture Security)		130.00
Level 1	Penetration Testing		51.00
Level 2	Penetration Testing		95.00
Level 3	Penetration Testing		130.00
Level 1	Security Program Assessment		51.00
Level 2	Security Program Assessment		95.00
Level 3	Security Program Assessment		130.00
Level 1	Risk Analysis		51.00
Level 2	Risk Analysis		95.00
Level 3	Risk Analysis		130.00
Level 1	Social Engineering Testing		51.00
Level 2	Social Engineering Testing		95.00
Level 3	Social Engineering Testing		130.00
Level 1	Determine Adequacy of Security Measures		51.00
Level 2	Determine Adequacy of Security Measures		95.00
Level 3	Determine Adequacy of Security Measures		130.00
Personal Computer Support			On-Site Rate
	Labor Discipline		
Level 1	Microsoft Office		41.00
Level 2	Microsoft Office		55.00
Level 3	Microsoft Office		65.00
Level 1	Microsoft PC Operating Systems		41.00
Level 2	Microsoft PC Operating Systems		55.00
Level 3	Microsoft PC Operating Systems		65.00
Level 1	Mobile Device support (laptops, tablets, iPads, etc)		46.00
Level 2	Mobile Device support (laptops, tablets, iPads, etc)		61.00
Level 3	Mobile Device support (laptops, tablets, iPads, etc)		71.00
Level 1	PC Peripherals (printers, external drives etc		41.00
Level 2	PC Peripherals (printers, external drives etc		55.00
Level 3	PC Peripherals (printers, external drives etc		65.00
Level 1	PC Imaging and Deployment		41.00
Level 2	PC Imaging and Deployment		55.00
Level 3	PC Imaging and Deployment		65.00
Application Development and Support			On-Site Rate
	Labor Discipline		
Level 1	Java/J2EE		49.00
Level 2	Java/J2EE		85.00
Level 3	Java/J2EE		115.00
Level 1	PHP/MySQL		49.00
Level 2	PHP/MySQL		85.00
Level 3	PHP/MySQL		110.00
Level 1	ASP.NET/MSSQL		49.00
Level 2	ASP.NET/MSSQL		85.00
Level 3	ASP.NET/MSSQL		110.00
Level 1	Creston		49.00
Level 2	Creston		85.00
Level 3	Creston		128.00
Level 1	Cold Fusion		49.00
Level 2	Cold Fusion		85.00
Level 3	Cold Fusion		128.00
Level 1	Oracle/PeopleSoft		55.00
Level 2	Oracle/PeopleSoft		95.00
Level 3	Oracle/PeopleSoft		130.00
Level 1	COBOL		55.00
Level 2	COBOL		85.00
Level 3	COBOL		110.00
Level 1	Banner		49.00
Level 2	Banner		85.00
Level 3	Banner		110.00
Level 1	Mainframe Production Control		55.00
Level 2	Mainframe Production Control		85.00
Level 3	Mainframe Production Control		110.00
Level 1	SDLC Performance Management		49.00
Level 2	SDLC Performance Management		85.00
Level 3	SDLC Performance Management		110.00
Level 1	SDLC - Business Plans		49.00

Skill-Set

Administrative Services

IT Project management
IT Governance
IT Strategic Planning
IT Marketing and branding
IT Costing and Rate Analysis
IT CRM
IT Physical Workspace Planning
IT Asset Lifecycle Management
Usability Consulting
Process/Service Improvement Coordinators
Service Level Agreement
IT Portfolio Management
Business Requirements Gathering
Business Analysts
Business Process ENG/MGT and Assessment
Technical Writer
IT End-User Trainer
Capacity Planning & Performance Specialist

Infrastructure

Enterprise Architecture
Data Center Engineering for High Availability
Enterprise Application and Desktop Virtualization
Integration between on-site services with cloud/managed servi
Network Design and Security
Identity management and Federation
Enterprise messaging and/or E-Discovery
VOIP and Unified Communications
EDI/HL7 Messaging
Network Assessment
SOA Governance
Complex system performance tuning
Network Administrator
Network Specialist

System and System Component Administration Services

Local Area network LAN Maintenance or Support

Database analysis service
Computer or network or internet security
System installation service
System analysis service
Software coding service
Mainframe administration services
Wide area network WAN maintenance or support
Mainframe Protection Control/Scheduling - Global Variable

Application Development and Support

Java/J2EE
PHP/MySQL
ASP/.NET/MSSQL
Creston
Cold Fusion
Oracle/PeopleSoft
COBOL
Banner
Mainframe Production Control
SDLC Performance Management
SDLC - Business Plans
Mainframe Systems Support
AppWorx
BPEL/SOA
Luminis Portal
Metrics Consulting
SharePoint
Knowledge Management
Performance and Monitoring
CMS Consulting and Content Development
Programmers for PL/1
Programmers for C or C++
Programmers for Assemblers (assembly)
Programming for Visual Basic
Programming for HTML
Programming for Java
Programming for Basic
Programming for CLIST

Programmer/System Analyst
Programming for Shell Scripting (Linux/AIX/Solaris)
Programming for JCL - Global Variable
Programming for PowerBuilder
Graphic Designers
Programming for COBOL
Applications Architect
PeopleSoft Business Analyst
PeopleSoft Administrator

Helpdesk Support

Application and Personal Computer Support

Security Design and Support

Forensics/Incident response
Business Continuity/Disaster recovery Planning
Policy Creation/Compliance
System Hardening
Access Control Methodologies
Vulnerability and Penetration testing
Code Review
Security Operations Center Staff

Software Maintenance and Support

Development Software maintenance
System management software Maintenance

Audio/video Installation and Services

Wire pulls and termination
Equipment Racking
Flat Panel Display mounting/rigging
Speaker mounting/rigging
Rack Dressing
Cable Management
Ability to read and interpret system schematics
Audio/Visual Design

Management Information Systems MS

Telecommunications Planning Services
System architecture
Wide area network communication design
Local area network communication design

Database design
Network Planning Services
Systems Planning Services
Quality Assurance Inspector/Analyst
Database Administrators
Enterprise Service Bus Engineer
RDS Print Manager
QC Tester
Change Coordinators
Quality Control Planner
Quality Control Tester

Installation Services

Network/Phone Cabling
Security Cameras
Classroom Technology

System Design and Support

Linux
Apple
Microsoft
Solaris
Network
High-performance Computing
Avaya/Nortel Telephony/IP Telephony
Performance and Monitoring

Security

Security Governance and Management
Security Policies and Procedures
Incident Response and Forensics
Risk management
Data Classification and Protection
Vulnerability Assessment and Penetration Testing
Application Security
Access Controls
Network Security
Security Architectures
Identity management
Data Encryption

HIPAA/Privacy

Data Services

Disaster Recovery Services

Data Conversion Services

Data Center Services

Security Risk Assessment Consulting

Evaluate Network Security (WAN & Backbone components)

Identify Vulnerabilities (Network Element & Architecture Sec

Penetration Testing

Security Program Assessment

Risk Analysis

Social Engineering Testing

Determine Adequacy of Security Measures

Personal Computer Support

Microsoft Office

Microsoft PC Operating Systems

Mobile Device support (laptops, tablets, iPads, etc)

PC Peripherals (printers, external drives etc

PC Imaging and Deployment

Short Description

IT Project management is the discipline of planning, organizing, motivating, and controlling
Information technology governance is a subset discipline of corporate governance focused
Information Technology Strategic Planning is a discipline within the Information Technolo
Marketing is the process of communicating the value of a product or service to customers.
A benchmarking process to determine cost per standardized unit versus cost to provider in
Customer Relationship Management is the maintenance of a relationship between a service
The discipline which concerns itself with not only the physical space which an employee v
This discipline tracks IT assets from purchase to surplus, and concerns itself with amortiza
This discipline focuses on ensuring an IT system conforms to the 4 C's of user interface de
This skillset seeds data from CRM metrics and works with both global statistics and specif
This discipline focuses on an overall relationship between a customer and a service provid
Portfolio management is the holistic control of all projects for a given entity and focuses o
This skillset interacts with the customer on a given endeavor to adequately gather all infor
Business analysis combines skills such as business requirements gathering, customer relati
This discipline focuses on working with process and service improvement coordinators, cu
Technical Writing is a discipline that focuses on providing high-quality, understandable doc
This discipline focuses on providing adequate training for end users on given IT systems, e
This discipline concerns itself with the overreaching growth of a service provider, determi

This discipline focuses on taking business and technical requirements from business analy
This discipline concerns itself with ensuring that services are always available in the conte
This discipline works to disconnect user applications and environments from physical hard
This discipline manages integration between on-premises systems inside an entity and outs
A similar discipline to enterprise architecture, this discipline focuses on how to efficiently
This discipline focuses on managing mechanisms in which a customer proves their identity
This discipline focuses on semi-realtime, user-to-user or system-to-system communication
This discipline focuses on real-time communications between users via voice and video m
This discipline focuses on exchange of information between dissimilar IT systems by usin
This discipline takes any available (albeit understood to be limited to non-existent) data or
This discipline provides oversight of IT systems designed to provide a service to a custom
This discipline involves in-depth analysis of systems running currently in production and l
This discipline focuses on the management of entire networks, or subsets of networks, and
This discipline operates underneath of a network administrator in order to provide labor th

This discipline combines the disciplines of network specialist with physical network maint

This discipline focuses on providing troubleshooting, diagnostics, and profiling services s
This discipline focuses on discovery, management, and mitigation of cybersecurity threats
This discipline provides a service to install a given system, including integration and produ
This discipline focuses on providing troubleshooting, diagnostics, and profiling services to
This discipline provides a service to write software according to technical specifications gi
This discipline focuses on providing general administration tasks, such as troubleshooting
This discipline combines the disciplines of network specialist with physical network maint
This discipline maintains the integrity of a mainframe system from cybersecurity threats ar

This discipline provides development and support activities specific to the Java programm
This discipline provides development and support activities specific to the PHP programm
This discipline provides development and support activities specific to the .Net and MSSQ
This discipline provides development and support for Crestron AV control and automation
This discipline provides development and support activities specific to the Coldfusion pro
This discipline provides development and support activities specific to the Peoplesoft ente
This discipline provides development and support activities specific to the COBOL progra
This discipline provides development and support activities specific to the Banner Student
This discipline provides development and support activities related to day-to-day operatio
This discipline provides design, development, review and support activities related to the c
This discipline provides design, development, review and support activities related to the c
This discipline provides development and support activities related to existing and planne
This discipline provides development and support activities specific to the Appworx sched
This discipline provides development and support activities specific to BPEL (Business Pr
This discipline provides design, development and support activities related to Luminus poi
This discipline provides design, development, review and support activities related to the c
This discipline provides development and support activities specific to Microsoft's Sharep
This discipline focuses on providing a continual flow of both institutional knowledge and
This discipline monitors applications to ensure they continue to meet anticipated and desir
This discipline provides development and support activities related to content managemen
This discipline provides development and support activities specific to the PL/1 programr
This discipline provides development and support activities specific to the C and C++ prog
This discipline provides development and support activities specific to the various assemb
This discipline provides development and support activities specific to the VisualBasic pro
This discipline provides development and support activities specific to the hypertext mark
This discipline provides development and support activities specific to the Java programm
This discipline provides development and support activities specific to the BASIC program
This discipline provides development and support activities specific to the CLIST program

This discipline provides development and support activities for various programming languages

This discipline provides development and support activities specific to UNIX Shells (bash, zsh, etc.)

This discipline provides development and support activities specific to the JCL programming language

This discipline provides development and support activities specific to the Sybase PowerBuilder database

This discipline works with usability engineers to design useful, usability standard conforming user interfaces

This discipline provides development and support activities specific to the COBOL programming language

This discipline focuses on taking technical and business requirements and designing how to implement them

This discipline focuses on Grants/Projects/Contracts

This discipline focuses on Accounts Receivable/Billing

This discipline provides first layer support activities to individual customers, providing an initial point of contact

This discipline focuses on remediating cybersecurity threats, failures, and incidents, investigating root causes

This discipline focuses on designing, implementing, and testing responses to hypothetical cybersecurity incidents

This discipline focuses on developing and auditing policies designed to avert or mitigate cybersecurity risks

This discipline provides in-depth analysis and auditing of system settings and functionality to identify vulnerabilities

This discipline focuses on studying current and developing new access control methodologies

This discipline focuses on intentionally trying to compromise the security systems of an organization

This discipline provides analysis of application code to look for potential vulnerabilities in the code

This discipline combines the various security disciplines in a holistic manner that is able to address the entire security posture

This discipline focuses on developing internal tools to aid in development, and maintaining those tools

This discipline focuses on maintaining internal tools that are used to manage and monitor infrastructure

This discipline focuses on installing physical network cabling infrastructure and terminating the cables

This discipline focuses on installing physical hardware into system racks and appropriately labeling the hardware

This discipline focuses on mounting flat panel displays to mounts and affixing mounts to the wall

This discipline focuses on mounting speakers to given mounting points as well as installing the speakers

This discipline focuses specifically on cable management and rack layout within a rackmount cabinet

This discipline focuses on ensuring that cables are tidily routed through proper hardware in a rackmount cabinet

This discipline focuses on reading diagrams of cabling, server mounting, and other forms of infrastructure

This discipline involves taking the business requirements of an organization and designing the infrastructure to meet those requirements

This discipline focuses on analyzing an organization's voice, video, and data communication needs

This discipline focuses on taking the business and technical requirements for a given system and designing the architecture

This discipline focuses on taking the business need of an organization and designing their network architecture

This discipline focuses on taking the business need of an organization and designing their network architecture

This discipline utilizes normalization and other techniques to design an efficient and high performance database system

This discipline focuses on analyzing an organization's data communications needs and planning a network architecture

This discipline focuses on analyzing an organization's holistic vision for technology use and determining the appropriate technology

This discipline focuses on routinely analyzing and auditing deliverables from projects to ensure quality

This discipline focuses on maintaining an RDBMS or other database management system in a secure and reliable state

This discipline focuses on designing a set of standards to be utilized within an organization

This discipline focuses on managing remote and centralized printers that are attached to a network

This discipline focuses on ensuring consistent quality of systems by testing new versions of software

This discipline focuses on coordinating any change in the IT services pipeline with other groups

This discipline focuses on taking historical data from systems and changes and designs set points

This discipline focuses on ensuring consistent quality of systems by testing new versions of software

This discipline focuses on installation of the physical cabling infrastructure necessary for a network

This discipline focuses on installation of security camera systems to ensure reliable video surveillance

This discipline focuses on installation of technical systems which enhance the learning experience

This discipline focuses on the design and support of the GNU/Linux operating system and applications

This discipline focuses on the design and support of the Apple OSX and iOS operating systems

This discipline focuses on the design and support of Microsoft Windows operating system and applications

This discipline focuses on the design and support of the Oracle Solaris operating system and applications

This discipline focuses on analyzing an organization's data communications needs and planning a network architecture

This discipline focuses on the design and support of "multi-head" clustered computing systems

This discipline focuses on the design and support of current VoIP and legacy circuit-switched systems

This discipline focuses on the continued monitoring and profiling of given systems in order to detect anomalies

This discipline focuses on the design of strategic visions for the direction of security sections

This discipline focuses on developing and auditing policies designed to avert or mitigate risks

This discipline focuses on remediating cybersecurity threats, failures, and incidents, investigating root causes

This discipline focuses on identifying the inherent cybersecurity risks in a given set of IT systems

This discipline focuses on development of policies for the secrecy level classification of data

This discipline focuses on intentionally trying to compromise the security systems of an organization

This discipline focuses on developing practices and technical mechanisms to secure an organization

This discipline focuses on studying current and developing new access control methodologies

This discipline focuses on ensuring the technical security of a given network by deploying firewalls

This discipline focuses on taking the strategic security vision for an organization and business and implementing it

This discipline focuses on managing mechanisms in which a customer proves their identity

This discipline focuses on deploying and implementing systems to protect the contents of a network

This discipline focuses on ensuring health care records and other information is only accessed by authorized personnel

This discipline provides emergency services to help restore the business activities of an organization

This discipline provides services to transform data in one format to another dissimilar format

This discipline provides services to house, protect, and maintain IT assets

This discipline provides services to audit the security and resiliency of major infrastructure

This discipline focuses on using mass scanning tools and other methods to identify current vulnerabilities

This discipline focuses on intentionally trying to compromise the security systems of an organization

This discipline audits and tests the holistic security program to ensure its effectiveness against threats

This discipline focuses on identifying the inherent cybersecurity risks in a given set of IT systems

This discipline focuses on intentionally trying to compromise the security systems of an organization

This discipline focuses on auditing and testing security practices and procedures to ensure effectiveness

This discipline focuses on providing support for Microsoft's Office product line and its associated applications

This discipline focuses on the design and support of Microsoft Windows operating system

This discipline focuses on design and support of mobile hardware such as laptops and convertible tablets

This discipline focuses on design and support of PC peripherals attached to an individual PC

This discipline focuses on deploying client machines in a quick and efficient manner

ing resources to achieve specific goals.

on information technology (IT) systems and their pe
ogy and Information Systems domain and is concern

order to provide efficient and competitive service ra
e provider and a customer, ensuring all of the custom
works in and its layout, but also the ergonomics and s
tion rates and average cost of the lifecycle of a prod
velopment (control, conveyance, continuity, and cor
fic instances where there have been shortcomings in
er, ensuring that the provisions of an SLA (such as u
n improving processes, maintaining customer relatio
mation needed to provide the scope of a project
onship management, and enterprise architecture to c
ustomer relationship management, and IT costing dis
umentation on technical systems that can provide "I
ensuring they have up-to-date and useful knowledge
ning current utilization percentiles, and growth infor

sts in projects, and taking data on service growth fro
xt of a given uptime requirement in an SLA, ensurin
lware and make them mobile by pulling them into a
sourced/"cloud" services provided by another service
transport data from a client to a server and back aga
y for access to IT systems, including user accounts a
mechanisms such as email and instant messaging, a
echanisms, and ensures interoperability between disc
g standardized communication protocols in a manne
n a given IT environment, and analyzes the environn
er and ensures they conform to the overall strategic v
now the various pieces interoperate with one another
is charged with ensuring continuity of service, effie
at is more focused on a specific discipline of networ

tenance to provide physical and logical support and i

specific to relational database management systems and
through user education, policy development, technical
action migration of said system, ensuring it interoperates
to gain insight into the action of a given system in order
given, including debugging, testing, and documentation
problems, maintaining the system, and making any
tenance to provide physical and logical support and
and disproportionate resource allocation, ensuring fair

ing language and enterprise environment
ing language, MySQL RDBMS, and PHP/MySQL e
QL environment
i systems
gramming language and enterprise environment
rprise environment
mming language and enterprise environment
: Information System and subcomponents
ns of mainframe systems
creation of SDLC Performance Management framework
creation of SDLC Business Planning documents
d mainframe systems
luler solution and subcomponents
rocess Execution Language) in a Service-Oriented A
rtal solution
creation of IT Performance Metrics
oint framework and its underlying .Net/MSSQL back
industry knowledge to employees to allow for effect
ed benchmarks for performance and availability, and
t systems
ing language
gramming languages
ly dialects
ogramming language
up language
ing language and enterprise environment
nming language
ming language

languages within the environment of given applications
) and their scripting functionality
ing language
builder programming environment
ant, and aesthetically pleasing interfaces and user doc
mming language
applications will work and how to go about program

initial analysis of a problem, finding any potential d

igates said incidents in order to determine causes, m
or actual disaster scenarios characterized by a catast
risk involved with cybersecurity threats, and to ensur
y and seeks remediation action for systems which ha
gies and how to meet the business needs of an organi
organization in order to show flaws in systems and ho
l software and mitigate the risk prior to deploying co
o seek proactive remediation of security threats, as w

g other tools in the development toolchain
internal systems

ng it at both the endpoints
y routing various forms of cabling to facilitate appro
a given mounting point and ensuring appropriate stit
ion and integration of all mounting hardware
unt system
n a manner that is both aesthetically pleasing and fur
of visual instructions
; audio/visual systems to suit the business need

on needs and plans out an effective course of action
m and designing a maintainable and extensible archi
wide-area network connectivity to suit their needs
local-area network connectivity to suit their needs

performance, but also very intuitive database schemas
ns out an efficient and scalable network architecture
nd designs an efficient and scalable architecture for I
nsure they meet a high standard of quality and that th
including writing queries, producing reports, and ens
n to ensure that dissimilar systems can effectively co
remote desktop session

of systems as they are rolled out with real-world data
roups within the organization to ensure that interope
s of procedures to help ensure that high levels of qua
of systems as they are rolled out with real-world data

voice, video, and data communications inside of a pk
streams of data in a manner which is difficult to tam
perience in schools and elsewhere, can include audio

its associated components
stems and their associated components
s and their associated components
nd its associated components
ns out an efficient and scalable network architecture
tems and its operation as a performance-critical syste
hed Avaya and Nortel telephony systems
r to ensure service continuity at a desirable level of

ons and how to achieve the strategic visions for the c
risk involved with cybersecurity threats, and to ensur
igates said incidents in order to determine causes, m
systems then attempts to mitigate those risks as much
ata and how to appropriately secure that data
rganization in order to show flaws in systems and ho
rganization's applications
gies and how to meet the business needs of an organi
systems to control access to IT assets
ness requirement of a project and designing an archit
y for access to IT systems, including user accounts an
data from unauthorized access in the absense of an a

ossible to individuals who are authorized to access sai

ganization in the event of a catastrophic failure
nat

e components against attacks such as DDoS' and intr
vulnerabilities in a given network in order to seek r
ganization in order to show flaws in systems and ho
ainst existing and emerging threats
systems then attempts to mitigate those risks as muc
ganization in a non-technical matter by interacting v
e its effectiveness against existing and emerging thre

sociated products

s and their associated components

vertibles as well as iOS devices such as iPads

PC, including printers, external hard drives, and othe

performance and risk management.

ed with making the planning process for information technology investments and decision

ites

ner's needs are met adequately by the service provider

safety of a workplace, ensuring a healthy and productive workzone

uct

ntext), and ensuring that the IT system is well adjusted to the business process and vice ve

service provided and helps process designers develop new processes and test them in the

uptime requirements, response times, etc) are met

onships, and ensuring a project manager can operate optimally within their own context

etermine efficient sets of requirements and architectural guidelines for projects

disciplines to develop new processes and SOPs that remove the extraneous and unnecessary,

now-to" assistance to end users, as well as provide very technical institutional knowledge

of a given system and how it fits into their business processes

mation, to determine the necessary capacity enhancement of a service provider to continu

om planning specialists and designs enterprise systems to meet current and future demands

ing that customers can use said services, even when something has gone wrong

centrally managed virtualization environment, then providing an access system to the end

e provider to ensure a seamless and invisible user experience between the two

in, in a manner that prevents unauthorized access, and ensures fair use of resources betwe

nd passwords, biometrics, access cards, and other mechanisms. This discipline also focus

nd maintaining an archive of communications between users that can be retrieved on dem

crete systems such that they appear to an end user to behave as a single, holistic system

r that ensures their interoperability

ment in order to provide documentation on the numerous systems within an environment ar

vision of the organization and meet the needs of the organization's customers

; finding bottlenecks and other slow-downs, and then provides action to remove these bot

iciency of the network, and fairness of distribution of network resources

ks (such as wireless or MPLS) and that requires less overall technical knowledge and inst

maintenance activities specific to a local area network as perscribed by the network admin

and other non-RDBMS database systems in order to gain more keen insight into the internal systems design, auditing, and forensic investigation rates with the existing enterprise structure appropriately in order to more keenly understand the internals of the system in order to know how the system operates and how to deploy it and make changes as necessary, specific to mainframe systems and network maintenance activities specific to a wide area network as prescribed by the network administrator among batch jobs being processed

environment

tools and methodologies

architecture (SOA)

kind

effective communication and transitions

needed to ensure they continue to meet business requirements

documents

running said applications

documentation that describes fixes for problems, and routing support instances to the appropriate

methods, and effects, and provide support to legal teams as necessary

prophic loss of critical infrastructure, and ensuring the continued business activity of an organization
and organizational compliance with these policies

have shown or potential security flaws that allow for unacceptable risk in the event of a cyber
attack while mitigating the risk of data loss or corruption in the event of a cybersecurity t
hreat where they may be exploited so remediation may be sought

mode to production

as well as reactively respond to cybersecurity incidents

appropriate cable management

efficiency and integrity of the mount

functional

for telecommunication infrastructure

infrastructure allowing for accommodation of current need and future growth

a

IT systems in that organization

the deliverables continue to behave as expected and desired

ensuring optimal efficiency of said database system

communicate with one another and ensure interoperability between applications

and techniques

availability is maintained, security is not compromised, and that a high level of quality is kept

quality are maintained, and how to test the quality of systems in the future

and techniques

physical presence

inter with

web/video systems, computers, network infrastructure, and other systems

em

performance

organization

ensure organizational compliance with these policies

methods, and effects, and provide support to legal teams as necessary

in as feasible within the organization's strategic vision

so they may be exploited so remediation may be sought

organization while mitigating the risk of data loss or corruption in the event of a cybersecurity t

structure to ensure the security of a given system while meeting the business need

and passwords, biometrics, access cards, and other mechanisms. This discipline also focus

effective mechanism to control this access

d information in a standardized manner that allows for easy portability between dissimilar

visions to ensure business continuity and integrity

remediation

whenever they may be exploited so remediation may be sought

as far as feasible within the organization's strategic vision

working with people and attempting to extract critical information, such as passwords, out of them

threats and also how it affects the businesses

for systems

1-making a quicker, more flexible, and more thoroughly aligned process.

rsa
field

, and create novel ways to avoid expensive tasks wherever possible, in order to create a
to technical personnel on given systems

ally meet their customers' needs without any service interruptions

for a given system

user to allow them to access their operating environment and application

en customers

es on interoperability between different identity control mechanisms and establishing t
and in order to ensure legal compliance with various legislation

nd how they interoperate

tlenecks, and negate any other slow-down or negative performance factor

itutional knowledge than a network administrator

istration teams

the workings of a database system

administration teams

appropriate group as necessary

organization post-disaster

cybersecurity threat
threat

hreat

es on interoperability between different identity control mechanisms and establishing t

systems

directly

. more efficient and lean workplace

rust between these systems so that one provider's access will be trustworthy to others (i

rust between these systems so that one provider's access will be trustworthy to others (i

.e. federation).

.e. federation).

Level I
Level II
Level III