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2018
Defense Service Catalog

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Service Catalog:
Oracle Health Check

The AEM Difference

- Oracle Performance Tuning Certified
- Oracle Certified Professionals (OCP)
- Oracle Real Application Clusters (RAC) Certified
- Oracle Exadata Implementation Specialists
- Customized solutions with proven methodology

OVERVIEW

This document outlines tasks typically performed by AEM Corporation during a two-week Oracle health check engagement.

ENGAGEMENT TASK LIST

AEM will:

- Collect information/requirements on the environment (architecture, tools, pain points, hardware, etc.)
- Evaluate existing security settings in relation to recommended baseline settings
- Evaluate operating system and database parameters in relation to hardware resources
- Evaluate SQL statements and associated impact to existing resources
- Review Oracle software components, versions, and patch levels
- Perform detailed analysis on environment
- Identify areas requiring database and system optimization

DELIVERABLES

AEM provides:

- Documented areas of strengths/weaknesses for existing practices
- Recommendations for optimizing performance
- Detailed action plan for prioritizing modifications and grouping changes to maximize results
- Documented best practices and lessons learned
- Presentation of findings to relevant stakeholders

OPTIONAL SERVICES TASK LIST

AEM can:

- Implement recommended performance tuning changes
- Implement Oracle Enterprise Manager and associated plugins
- Implement security hardening/STIG modifications

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DATA STRATEGIES

Service Catalog:
Oracle Systems Information Assurance

The AEM Difference

- Depth and breadth of technologies and certifications
- Knowledgeable in the set-up and maintenance of IA tools to help identify security issues with your infrastructure, code or database
- Team of DoD 8570/8140 Certified Professionals
- Experienced Information Assurance System Validators
- Decades of supporting systems through ATO efforts
- Highly experienced personnel to include:
  - Certified Information Systems Security Professionals (CISSP)
  - Certified Information Security Managers (CISM)
  - Certified Ethical Hackers (CEH)
- Certified Linux and Oracle Database Administrators

OVERVIEW

This document outlines tasks typically performed by AEM Corporation during a six-week Oracle information assurance engagement.

ENGAGEMENT TASK LIST

AEM will:

- Harden operating system to follow DoD Security Technical Implementation Guides (STIG)
- Harden Oracle database components to follow DoD STIG
- Develop a Plan of Action and Milestones (POAM) for any findings not in compliance
- Provide recommendations for maintaining security requirements
- Provide technical documentation of changes made
- Offer resolution/remediation for any information assurance vulnerabilities alerts (IAVA) and/or common vulnerabilities and exposures (CVE)
- Provide script for checking STIG-compliant items for Linux and database components based on the version of the STIG available prior to performing the engagement
- Work with Information Assurance and Information Technology teams using NIST SP 800-53a to conduct an assessment of the applied controls

DELIVERABLES

AEM provides:

- System installation documentation
- A functional, hardened environment
- Lessons learned from any troubleshooting activities related to the operating system/database setup
- Documentation for properly securing the operating system/database
- Training documentation and associated reference material

OPTIONAL SERVICES TASK LIST

AEM can:

- Implement security hardening/STIG on other components
- Setup Oracle Enterprise Manager and deploy appropriate plugins
- Apply quarterly patching for components

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Service Catalog:
Oracle Exadata Installation, Configuration, and Migration

The AEM Difference

- Oracle Exadata Implementation Specialist
- Oracle Performance Tuning Certified
- Oracle Certified Professionals (OCP)
- Oracle Real Application Clusters (RAC) Certified

OVERVIEW

This document outlines tasks typically performed by AEM Corporation during a six-week Oracle Exadata configuration and migration engagement.

ENGAGEMENT TASK LIST

AEM will:

- Evaluate migration options based on configuration/requirements and provide recommendations
- Setup initial databases and perform initial data load from legacy environment
- Optimize initial databases and system settings
- Walk through patch strategies, and return for first quarterly patch application
- Setup shared storage area using DBFS and/or ACFS
- Evaluate opportunities for more effectively leveraging technology (make recommendations/ implement changes)
- Perform dry run of migration for timings and optimization of steps to include any lessons learned
- Conduct knowledge transfer on managing environment

DELIVERABLES

AEM provides:

- Detailed project plan for database server migration/consolidation to Exadata
- Documented common "How-Tos" and "Lessons Learned"
- Production cutover checklist
- Documented patching procedures/guidelines
- Documented changes with associated justifications

OPTIONAL SERVICES TASK LIST

AEM can:

- Implement security hardening/STIG
- Setup Oracle Enterprise Manager and deploy Exadata plugins
- Configure GoldenGate, Data Guard, or other advanced features

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Service Catalog:
Oracle Real Application Clusters (RAC) Setup

The AEM Difference

- Oracle Performance Tuning Certified
- Oracle Certified Professionals (OCP)
- Oracle Real Application Clusters (RAC) Certified
- Customized solutions with proven methodology

OVERVIEW

This document outlines tasks typically performed by AEM Corporation during a six-week Oracle RAC installation, configuration, and migration engagement.

ENGAGEMENT TASK LIST

AEM will:

- Install and configure Oracle RAC software
- Evaluate migration options based on configuration/requirements and provide recommendations
- Setup initial databases and perform initial data load from legacy environment
- Optimize database and system settings
- Perform dry run of migration for timings and optimization of steps to include any lessons learned
- Walk through patch strategies, and return for first quarterly patch application
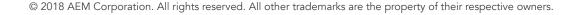- Conduct knowledge transfer on managing environment

DELIVERABLES

AEM provides:

- Detailed project plan for database server migration/consolidation to Oracle RAC environment
- Documented common "How-Tos" and "Lessons Learned"
- Production cutover checklist
- Documented general patching procedures/guidelines
- Documented recommendations for maintaining environment

OPTIONAL SERVICES TASK LIST

AEM can also:

- Implement security hardening/STIG modifications
- Setup Oracle Enterprise Manager and deploy appropriate plugins
- Configure GoldenGate, Data Guard, or other advanced features

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DATA STRATEGIES

Service Catalog:
Oracle Database Appliance (ODA) Setup

The AEM Difference
- Oracle Performance Tuning Certified
- Oracle Certified Professionals (OCP)
- Oracle Engineered System Certified experts
- Oracle Real Application Clusters (RAC) Certified

OVERVIEW

This document outlines tasks typically performed by AEM Corporation during a four-week ODA configuration and migration engagement.

ENGAGEMENT TASK LIST

AEM will:
- Evaluate migration options based on configuration/requirements and provide recommendations
- Create initial ODA configuration
- Setup initial databases, perform initial data load from legacy environment
- Optimize database and system settings
- Perform dry run of migration for timings and optimization of steps to include any lessons learned
- Walk through patch strategies and return for first quarterly patch application
- Setup shared storage area using CloudFS
- Conduct knowledge transfer on managing environment

DELIVERABLES

AEM provides:
- Detailed project plan for database server migration/consolidation to Oracle RAC environment
- Documented common "How-Tos" and "Lessons Learned"
- Production cutover checklist
- Documented general patching procedures/guidelines
- Documented recommendations for maintaining ODA

OPTIONAL SERVICES TASK LIST

AEM can:
- Implement security hardening/STIG modifications
- Setup Oracle Enterprise Manager and deploy appropriate plugins
- Configure GoldenGate, Data Guard, or other advanced features

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DATA STRATEGIES

Service Catalog:
Oracle Amazon Web Services (AWS) Setup

The AEM Difference

- Oracle Performance Tuning Certified
- Oracle Certified Professionals (OCP)
- Oracle migration experts
- Customized solutions with proven methodology

OVERVIEW

This document outlines typical tasks performed by AEM Corporation during a four-week Oracle AWS configuration and migration engagement.

ENGAGEMENT TASK LIST

AEM will:

- Evaluate migration options based on configuration/requirements and provide recommendations
- Evaluate/recommend AWS offerings in relation to customer requirements
- Setup initial databases, perform initial data load from legacy environment
- Optimize database and system settings
- Perform dry run of migration for timings and optimization of steps to include any lessons learned
- Conduct knowledge transfer on managing environment

DELIVERABLES

AEM provides:

- Detailed project plan for database server migration/consolidation to Oracle AWS
- Documented common "How-Tos" and "Lessons Learned"
- Production cutover checklist
- Document recommendations for maintaining environment

OPTIONAL SERVICES TASK LIST

AEM can also:

- Implement/document security hardening modifications
- Setup Oracle Enterprise Manager and deploy AWS plugins
- Configure GoldenGate, Data Guard, or other advanced features

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