2018
Defense Service Catalog
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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

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 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
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

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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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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Service Catalog:
Oracle Amazon Web Services (AWS) Setup

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

The AEM Difference
• Oracle Performance Tuning Certified
• Oracle Certified Professionals (OCP)
• Oracle migration experts
• Customized solutions with proven methodology

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