



MAA

SOA EDG 12c

FMW MAA Team

SUMMARY

- Enterprise Deployment Guide Overview
- SOA Enterprise Deployment Guide
- New in SOA EDG 12c PS3
 - High Availability Options
 - JDBC Persistent Stores
 - Dynamic Clustering
 - OSB singleton High Availability
 - Scale-out/up

A man in a dark suit and tie is looking down at a tablet device. The background is a blurred office setting. There are several white, semi-transparent circles of varying sizes scattered across the right side of the image, some overlapping. The overall tone is professional and modern.

Enterprise Deployment Guide Overview

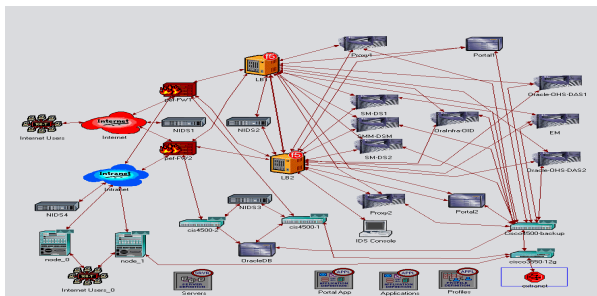
Enterprise Deployment Guide Overview

- EDG ..
 - provides **detailed, validated** instructions
 - that help you **plan, prepare, install, and configure**
 - a **multihost, secure, highly available** production topology..for Fusion Middleware products

- Multiple Enterprise Deployment Guides:
 - SOA EDG (SOA/BPM, OSB, BAM, ESS, MFT)
 - OIM EDG (OAM, OIM..)
 - BI EDG
 - WebCenter Portal EDG
 - WebCenter Content EDG

Enterprise Deployment Overview

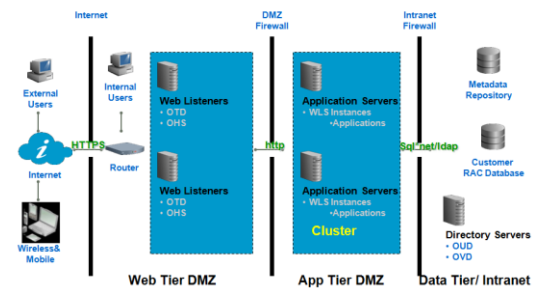
- Provide Oracle **tested** best practices for FMW High Availability / Maximum Availability Architecture
- With each FMW Component being a silo deployment:
 - How do I integrate with XXX ?? (OHS, OTD, OAM being great examples)
- **Move from unsecure, un-scalable and unreliable PRODUCTION deployments to providing Homogenous and Oracle tested secure, scalable best practices for FMW components**



FROM THIS



TO THIS

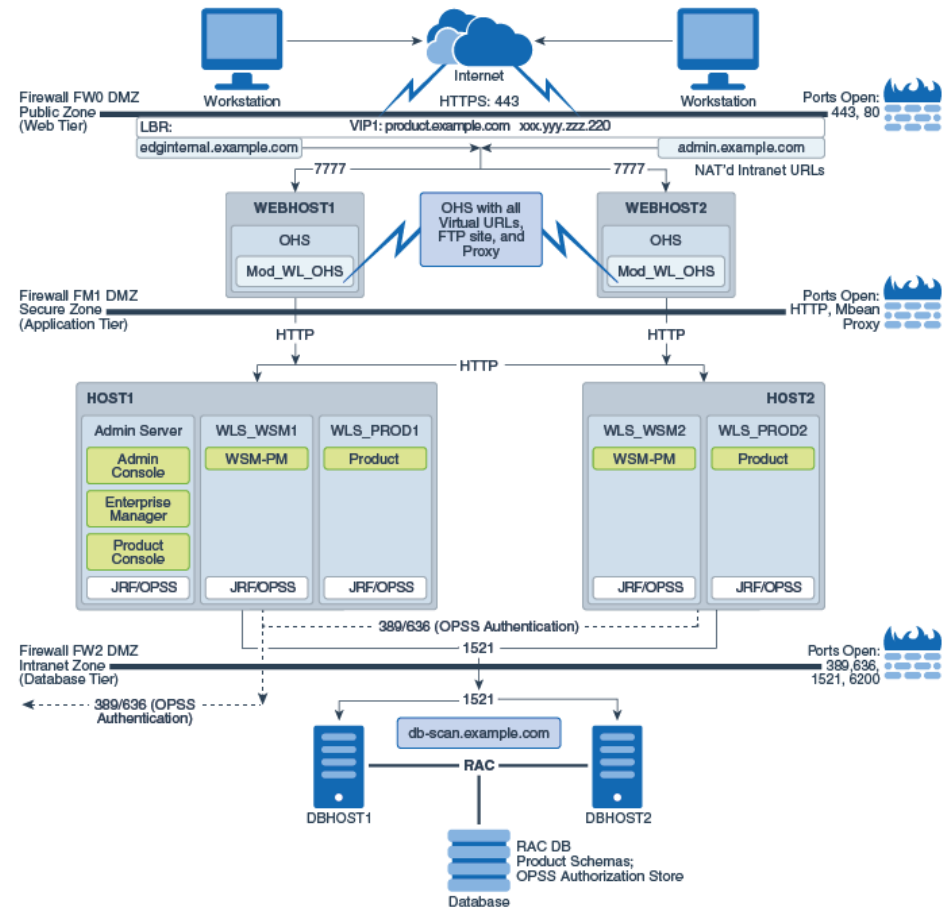


Enterprise Deployment Overview

- **ALSO: Address the interaction with the customer's infrastructure in an integrated deployment (multiple FMW components):**
 - **Node/Host configuration :**
 - VIP allocations, open file limits, processes
 - **Load Balancer and WebTier configuration**
 - **Storage configuration:**
 - Volume configuration, tiered storage approach, separation of runtime vs. configuration artifacts
 - **Network configuration**
 - Listen addresses required, ports standardization
 - Firewalls: ports required, type of traffic
 - **Database:**
 - Processes, services, datafiles configuration, RAC DataSource configuration

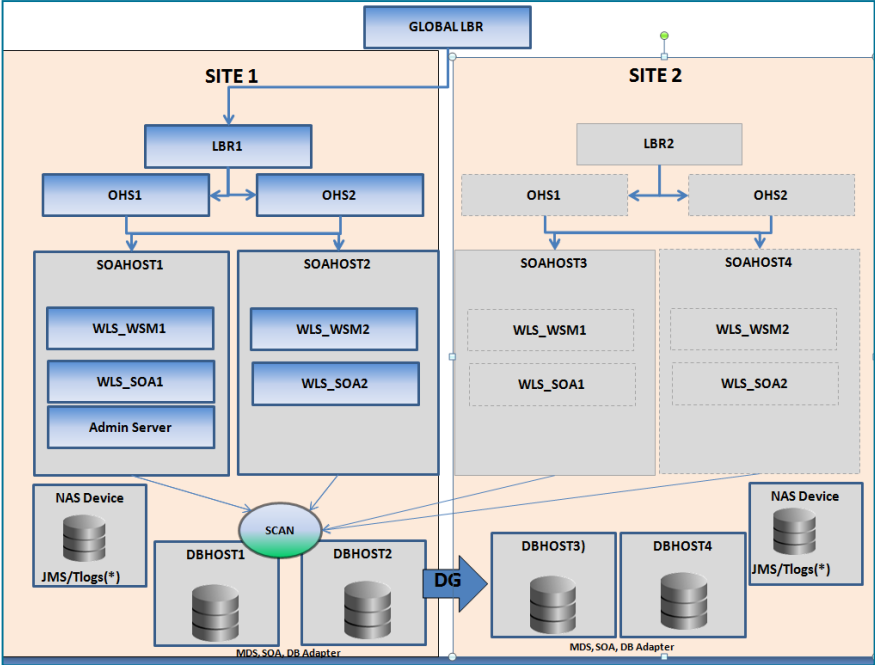
Enterprise Deployment Overview

- Tier redundancy (highlights)
 - WebTier
 - OHS: redundant OHS routed to by LBR
 - OTD: vrrp and vip failover for OTD entry
 - FMW Component Failure
 - Node Manager health monitoring
 - Inter-component failover: rmi, jms, http callbacks
 - Server and service migration best practices
 - RAC DB failure
 - FAN/ONS, SCAN, connection pool settings
 - System prepared for DR
 - Hostname as listen addresses
 - DB persistent stores

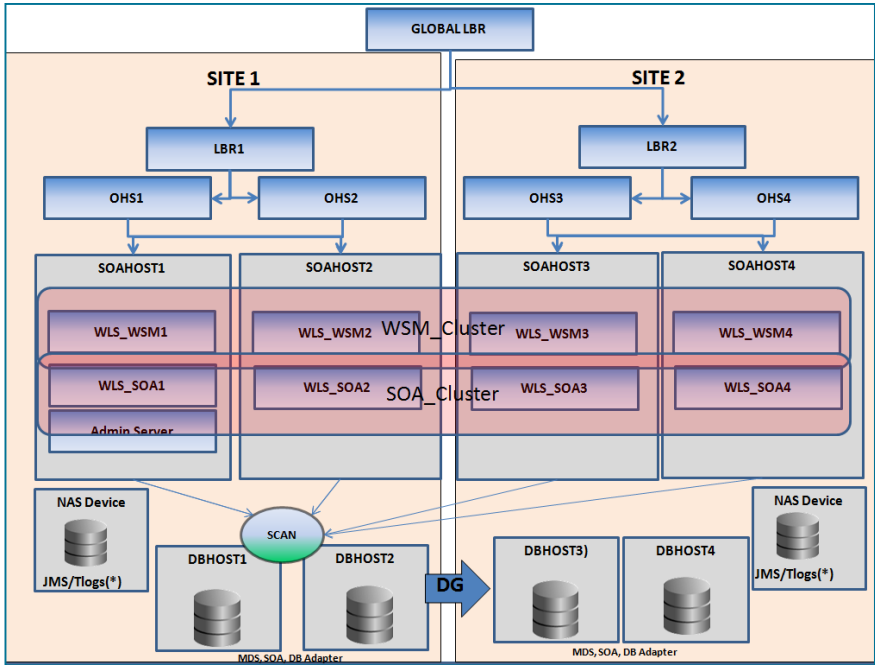


Enterprise Deployment Overview

- MAA = EDG + APDR or EDG + AADR



Active-Passive DR



Active-Active DR



Enterprise Deployment Overview

- **Part I Understanding an Enterprise Deployment**
- **Part II Preparing for an Enterprise Deployment**
 - Set up infrastructure (LBR, RAC DB, Network, Hosts, Shared Storage)
- **Part III Configuring the Enterprise Deployment**
 - Create basic infra domain
 - Configure Webtier
 - Extend-configure-validate each component (SOA, BPM, OSB..)
- **Part IV Common configuration and Management Procedures for an Enterprise Deployment**
 - Common tasks (SSL, Role mapping, persistent stores..)
 - Configure server/service migration
 - Scaling-out/up
 - SSO

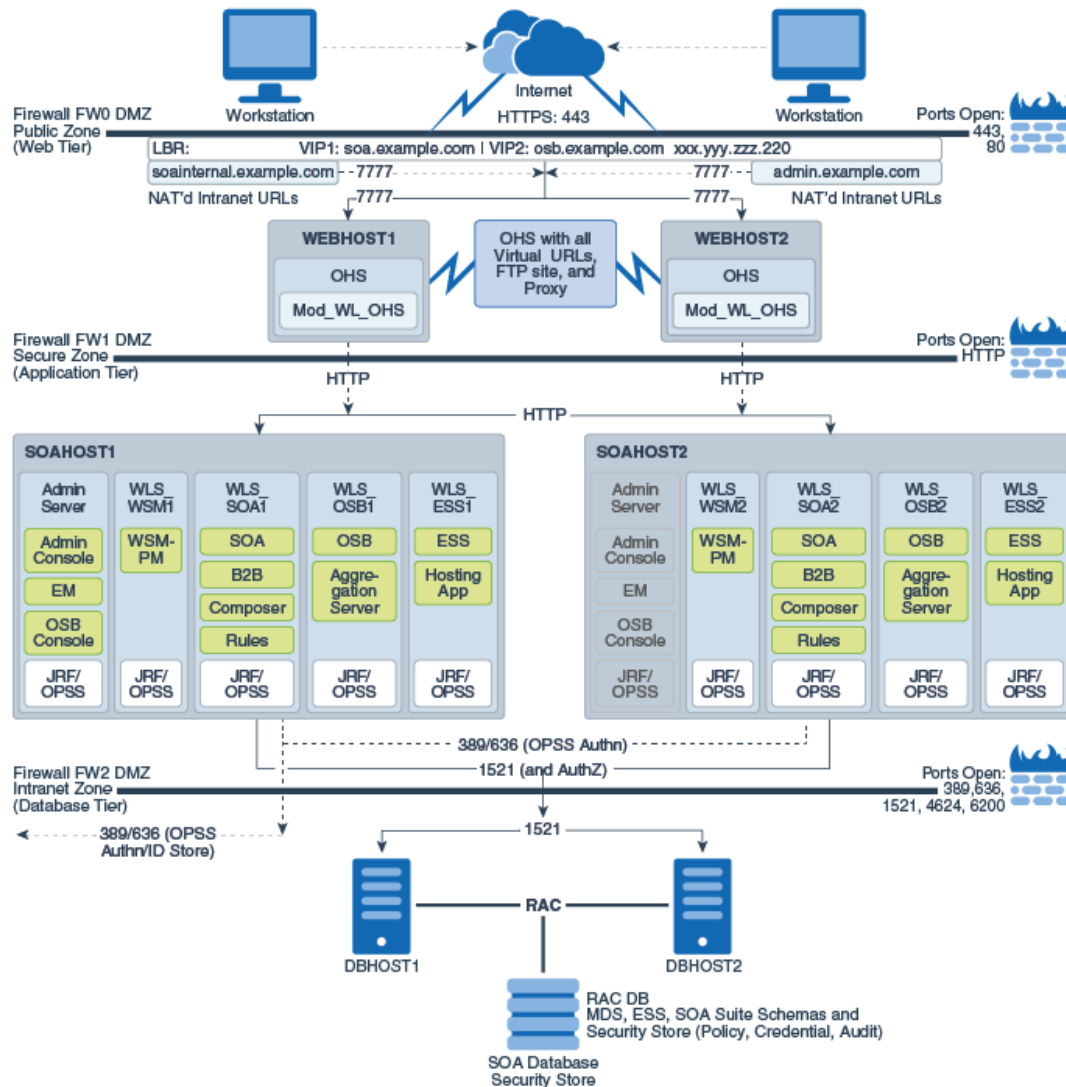


SOA Enterprise Deployment Guide

SOA Enterprise Deployment Guide

- Common properties with other EDGS:
 - Per Node NM, separate aserver vs. mserver, VIP for AS, standalone OHS, GridLink Data Sources, redundant binaries, runtime artifacts separation
- OHS and OTD instructions for webtier
- Separate Cluster for WSMPM
- Unique Coherence cluster with different caches
 - SOA for MDS/Composite Deployment, OSB Result Cache, WSMPM policies, BPM
- Sets front end address for callback and endpoint url construction
- Uses ASM with different migration policies for different clusters
 - SOA_Cluster: Auto-Migrate Failure-Recovery Services
 - OSB_Cluster: Auto-Migrate Failure-Recovery Services
 - BAM_Cluster: Auto-Migrate Exactly-Once Services
 - MFT_Cluster: Auto-Migrate Failure-Recovery Services
- File stores/JDBC persistent Stores for JMS and TLOGS
- OSB in same or different domain
- HC, MFT in separate domain

SOA Enterprise Deployment Guide



SOA Enterprise Deployment Guide

- Included in previous 12.2.1 versions
 - Moved from Whole Server Migration to Automatic Service Migration (10x time improvement)
 - Per-host Node Manager (simplified maintenance, lower foot print)
 - JDBC persistent stores (performance testing)
 - Multidomain models for component isolation (OSB, MFT, HC)
 - OAM/SSO integration
 - separation of runtime artifacts.
 - Oracle Traffic Director as web server
- New in 12.2.1.3
 - Config wizard “High Availability Options” screen
 - JDBC persistent stores preferred, File persistent stores as an option
 - Support for Dynamic Clusters
 - Cluster syntax for t3
 - OSB singletons High Availability
 - Scale-out/up procedures



SOA 12.2.1.3 NEW

SOA EDG 12c PS3 - New

High Availability Options Screen

The screenshot shows the 'High Availability Options' configuration screen in Oracle Fusion Middleware. The left sidebar contains a navigation tree with the following items: Update Domain, Templates, High Availability Options (selected), Database Configuration Type, Component Datasources, GridLink, JDBC Test, Keystore, Advanced Configuration, Configuration Summary, Configuration Progress, and End Of Configuration. The main content area is titled 'High Availability Options' and features the Oracle Fusion Middleware logo in the top right corner. The configuration options are as follows:

- Enable Automatic Service Migration (Non-Dynamic Clusters only)**
 - Database Leasing
 - Consensus Leasing
- JTA Transaction Log Persistence (Non-Dynamic Clusters only)**
 - Default Persistent Store
 - JDBC TLog Store
- JMS Server Persistence**
 - JMS File Store
 - JMS JDBC Store

A note at the bottom of the main area states: "The JMS JDBC Store and JDBC Tlog Store tables can be created using the WLST offline command initializejdbcstores() if necessary." The bottom of the screen contains a 'Help' button on the left and 'Back', 'Next >', 'Finish', and 'Cancel' buttons on the right. A red circle highlights the 'Back' button, and a green circle highlights the 'Next >' button.

SOA EDG 12c PS3 - New

High Availability Options Screen

- Recommendation for Static Clusters
 - Enable ASM with database leasing
 - Enable JDBC stores
(before these were manual post-steps)
- Supportability for Dynamic Clusters
 - Partial support (only for JMS jdbc stores)
- When does it appear?
 - The first time a component has JMS stores/transactional HA requirements
 - Inherited in subsequent extensions

SOA EDG 12c PS3 - New High Availability Options Screen

- For Static Cluster

The screenshot shows the Oracle Fusion Middleware configuration interface for High Availability Options. The left sidebar contains a navigation tree with the following items: Update Domain, Templates, High Availability Options (selected), Database Configuration Type, Component Datasources, GridLink, JDBC Test, Keystore, Advanced Configuration, Configuration Summary, Configuration Progress, and End Of Configuration. The main content area is titled "High Availability Options" and features the Oracle Fusion Middleware logo in the top right corner. The configuration options are as follows:

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 - JDBC ILog Store
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 - JMS File Store
 - JMS JDBC Store

SOA EDG 12c PS3 - New High Availability Options Screen

- Migratable targets

New Clone Delete Showing

<input type="checkbox"/>	Name	Migration Policy	Cluster	User Preferred Server
<input type="checkbox"/>	WLS_SOA1 (migratable)	Auto-Migrate Failure Recovery Services	SOA_Cluster	WLS_SOA1
<input type="checkbox"/>	WLS_SOA2 (migratable)	Auto-Migrate Failure Recovery Services	SOA_Cluster	WLS_SOA2

- Cluster Leasing

Settings for SOA_Cluster

Configuration Monitoring Control Deployments Services Notes

General JTA Messaging Servers Replication **Migration** Singleton Services Scheduling Overl...

Migration Basis: Database

Data Source For Automatic Migration: WLSSchemaDataSource New

Auto Migration Table Name: ACTIVE

SOA EDG 12c PS3 - New High Availability Options Screen

- TLOG store as JDBC persistent store
- Transaction migration policy for each server

Settings for WLS_SOA1

Configuration Protocols Logging Debug Monitoring Control Deployments Services

General Cluster **Services** Keystores SSL Federation Services Deployment Migration

Advanced

Transaction Log Store

Type: JDBC

Data Source: WLSSchemaDataSource

Prefix Name: TLOG_WLS_SOA1

Settings for WLS_SOA1

Configuration Protocols Logging Debug Monitoring Control Deployments Services Sec

General Cluster Services Keystores SSL Federation Services Deployment **Migration** T

JTA Migration Configuration

JTA Migration Policy: Failure Recovery

SOA EDG 12c PS3 - New

High Availability Options Screen

- JDBC persistent Stores

<input type="checkbox"/>	Name	Type	Target ^
<input type="checkbox"/>	UMSJMSJDBCStore_auto_1	JDBCStore	WLS_SOA1 (migratable)
<input type="checkbox"/>	BPMJMSJDBCStore_auto_1	JDBCStore	WLS_SOA1 (migratable)
<input type="checkbox"/>	SOAJMSJDBCStore_auto_1	JDBCStore	WLS_SOA1 (migratable)
<input type="checkbox"/>	ProcMonJMSJDBCStore_auto_1	JDBCStore	WLS_SOA1 (migratable)
<input type="checkbox"/>	UMSJMSJDBCStore_auto_2	JDBCStore	WLS_SOA2 (migratable)
<input type="checkbox"/>	BPMJMSJDBCStore_auto_2	JDBCStore	WLS_SOA2 (migratable)
<input type="checkbox"/>	SOAJMSJDBCStore_auto_2	JDBCStore	WLS_SOA2 (migratable)
<input type="checkbox"/>	ProcMonJMSJDBCStore_auto_2	JDBCStore	WLS_SOA2 (migratable)
<input type="checkbox"/>	FODJDBCStore_2	JDBCStore	WLS_SOA2 (migratable)

- JMS Servers

<input type="checkbox"/>	Name	Persistent Store	Target ^
<input type="checkbox"/>	UMSJMSSEServer_auto_1	UMSJMSJDBCStore_auto_1	WLS_SOA1 (migratable)
<input type="checkbox"/>	BPMJMSEServer_auto_1	BPMJMSJDBCStore_auto_1	WLS_SOA1 (migratable)
<input type="checkbox"/>	SOAJMSEServer_auto_1	SOAJMSJDBCStore_auto_1	WLS_SOA1 (migratable)
<input type="checkbox"/>	ProcMonJMSEServer_auto_1	ProcMonJMSJDBCStore_auto_1	WLS_SOA1 (migratable)

SOA EDG 12c PS3 - New

High Availability Options Screen

- JDBC persistent Stores

<input type="checkbox"/>	Name
<input type="checkbox"/>	UMSJMSJDBCStore_auto_1
<input type="checkbox"/>	BPMJMSJDBCStore_auto_1
<input type="checkbox"/>	SOAJMSJDBCStore_auto_1
<input type="checkbox"/>	ProcMonJMSJDBCStore_auto_1
<input type="checkbox"/>	UMSJMSJDBCStore_auto_2
<input type="checkbox"/>	BPMJMSJDBCStore_auto_2
<input type="checkbox"/>	SOAJMSJDBCStore_auto_2
<input type="checkbox"/>	ProcMonJMSJDBCStore_auto_2
<input type="checkbox"/>	FODJDBCStore_2

Settings for BPMJMSJDBCStore_auto_1

Configuration | Targets | Monitoring | Notes

Configuration | High Availability

Save

Use this page to configure a JDBC-accessible store for storing subsystem data, such as persi:

Name: BPMJMSJDBCStore_auto_1

Scope: Global

Data Source: WLSSchemaDataSource

Prefix Name: soa_3


- JMS Servers

<input type="checkbox"/>	Name	Persistent Store	Target ^
<input type="checkbox"/>	UMSJMSJMServer_auto_1	UMSJMSJDBCStore_auto_1	WLS_SOA1 (migratable)
<input type="checkbox"/>	BPMJMSJMServer_auto_1	BPMJMSJDBCStore_auto_1	WLS_SOA1 (migratable)
<input type="checkbox"/>	SOAJMSJMServer_auto_1	SOAJMSJDBCStore_auto_1	WLS_SOA1 (migratable)
<input type="checkbox"/>	ProcMonJMSJMServer_auto_1	ProcMonJMSJDBCStore_auto_1	WLS_SOA1 (migratable)



SOA EDG 12c PS3 - New

High Availability Options Screen

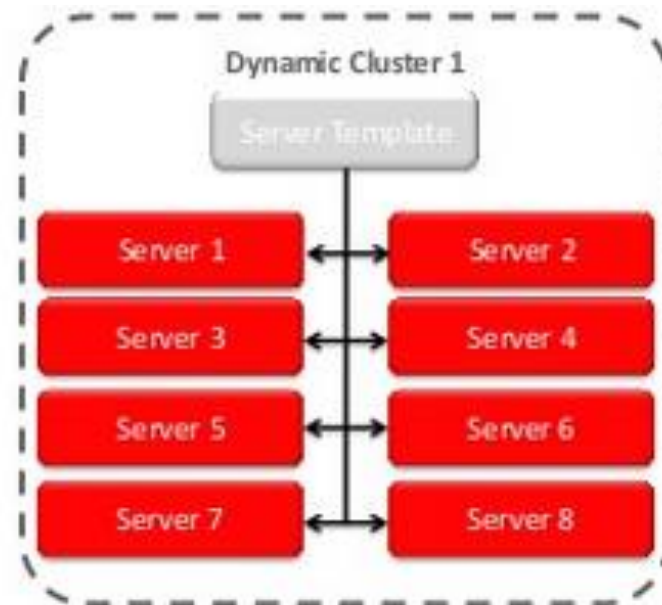
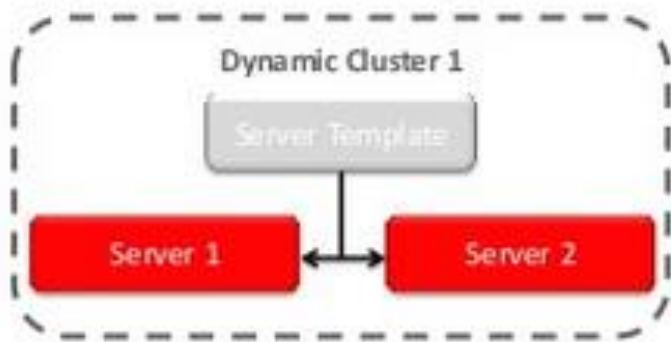
<input type="checkbox"/>	Name 	Type	JNDI Name	Targets
<input type="checkbox"/>	WLSSchemaDataSource	GridLink	jdbc/WLSSchemaDataSource	AdminServer, BAM_Cluster, OSB_Cluster, SOA_Cluster

- WLSSchemaDataSource used for:
 - Cluster Database leasing
 - TLOG jdbc persistent stores
 - JMS jdbc persistent stores

SOA EDG 12c PS3 - New Dynamic Clusters

- Dynamic cluster:
 - server instances that can be dynamically scaled up
 - cluster uses a single-server template to define configuration
 - The number of dynamic server instances is specified

Simplified Initial Cluster Configuration



SOA EDG 12c PS3 - New

Dynamic Clusters

- Cluster

Settings for SOA_Cluster

Configuration Monitoring Control Deployments Services Notes

General JTA Messaging **Servers** Replication Migration Singleton Services Scheduling Overload Health Monitoring

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

This page is used to configure the servers that are assigned to this cluster.

Clusters can contain both explicitly configured and dynamically created servers. The following settings are used to determine the number a

Server Template: soa-server-template

Server Name Prefix: WLS_SOA

Dynamic Setting

Dynamic Cluster Size: 2

Max Dynamic Cluster Size: 8

Min Dynamic Cluster Size: 1

Enable Calculated Listen Ports

Machine Setting

Enable Calculated Machine Associations

Machine Name Match Expression: SOAHOST*

SOA EDG 12c PS3 - New Dynamic Clusters

- Calculating Machine Names

Machines in Domain	MachineNameMatchExpression Configuration	Dynamic Server Machine Assignments
M1, M2	Not set	dyn-server-1: M1 dyn-server-2: M2 dyn-server-3: M1 ...
Ma1, Ma2, Mb1, Mb2	Ma1, Mb*	dyn-server-1: Ma1 dyn-server-2: Mb1 dyn-server-3: Mb2 dyn-server-4: Ma1

- MachineNameMatchExpression in SOA EDG is SOAHOST*:
 - SOAHOST1, SOAHOST2

SOA EDG 12c PS3 - New

Dynamic Clusters

- Calculated listen ports


Table 11-1 Calculating Listen Ports

Listen Port Type	Configuration Setting in Server Template	Dynamic Server Listen Port Values
Server listen port	Listen port not set	dyn-server-1: 7101 dyn-server-2: 7102 ...
Server listen port	Listen port set to 7300	dyn-server-1: 7301 dyn-server-2: 7302

- Calculated listen ports are used in EDG for dynamic clusters

SOA EDG 12c PS3 - New Dynamic Clusters

- Server Templates

<input type="checkbox"/>	Name 	Cluster
<input type="checkbox"/>	ess-server-template	ESS_Cluster
<input type="checkbox"/>	osb-server-template	OSB_Cluster
<input type="checkbox"/>	soa-server-template	SOA_Cluster
<input type="checkbox"/>	wspm-server-template	WSM-PM_Cluster

Settings for soa-server-template

Configuration Protocols Logging Debug Notes

General Cluster Services Keystores SSL Federation Services Deployment Migration Tuning Overload Concurrency Health Monitoring Server Start Web Services Coherence

SOA EDG 12c PS3 - New

Dynamic Clusters

- Listen Address
 - Is not calculated
 - By default empty (listen in ALL)
 - Macros can be used:
 - WLS_SOA1 listens in SOAHOST1, WLS_SOA2 listens in SOAHOST2



Listen Address:

SOAHOST\${id}

- When scaling-up/more than 1 server per machine



Listen Address:

\${machineName}

– Hostname aliases

- EDG: 22.1.3 Configuring Listen Addresses in Dynamic Cluster Server Templates

SOA EDG 12c PS3 - New

Dynamic Clusters

- JMS resources
 - Not a JMS Server per managed server → One JMS Server targeted to the cluster
 - Associated persistent stores targeted to the cluster also

<input type="checkbox"/>	Name	Persistent Store	Target	Current Target
<input type="checkbox"/>	BPMJMSServer_auto_1	BPMJMSJDBCStore_auto_1	SOA_Cluster	SOA_Cluster
<input type="checkbox"/>	ProcMonJMSServer_auto_1	ProcMonJMSJDBCStore_auto_1	SOA_Cluster	SOA_Cluster
<input type="checkbox"/>	SOAJMSServer_auto_1	SOAJMSJDBCStore_auto_1	SOA_Cluster	SOA_Cluster
<input type="checkbox"/>	UMSJMServer_auto_1	UMSJMSJDBCStore_auto_1	SOA_Cluster	SOA_Cluster

<input type="checkbox"/>	Name	Type	Target
<input type="checkbox"/>	BPMJMSJDBCStore_auto_1	JDBCStore	SOA_Cluster
<input type="checkbox"/>	SOAJMSJDBCStore_auto_1	JDBCStore	SOA_Cluster
<input type="checkbox"/>	UMSJMSJDBCStore_auto_1	JDBCStore	SOA_Cluster
<input type="checkbox"/>	ProcMonJMSJDBCStore_auto_1	JDBCStore	SOA_Cluster

SOA EDG 12c PS3 - New

Dynamic Clusters

- JMS Servers runtime

Settings for SOAJMServer_auto_1

Configuration Logging Targets **Monitoring** Control Notes

Summary Paging Store Active Destinations Active Transactions Active Connections Active Session Pools Active Pooled Connections

Use this page to view runtime statistics for this JMS server.

[▶ Customize this table](#)

Statistics (Filtered - More Columns Exist)

Name ^	Partition	Server	Destinations Current	Messages Current	Messages Pending	Messages Received
SOAJMServer_auto_1@WLS_SOA1		WLS_SOA1	15	0	0	0
SOAJMServer_auto_1@WLS_SOA2		WLS_SOA2	15	0	0	0

SOA EDG 12c PS3 - New Dynamic Clusters

- Persistent Store runtime

Settings for SOAJMSJDBCStore_auto_1

Configuration Targets Monitoring Notes

Configuration High Availability

Save

Use this page to configure a JDBC-accessible store for storing subsystem data, such as persist

Name: SOAJMSJDBCStore_auto_1

Scope: Global

Data Source: WLSSchemaDataSource

Prefix Name: soa_3

Settings for SOAJMSJDBCStore_auto_1

Configuration Targets Monitoring Notes

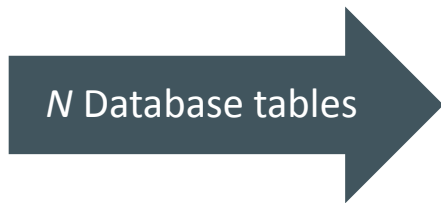
Statistics Connections

Use this page to view run-time statistics for this JDBC store.

Customize this table

Statistics (Filtered - More Columns Exist)

Partition	Server	Health	Create Count	Read Count
	WLS_SOA1	✓ OK	0	0
	WLS_SOA2	✓ OK	0	0



- SOA_3_WLS_SOA1_WLSTORE
- SOA_3_WLS_SOA2_WLSTORE

SOA EDG 12c PS3 - New

Dynamic Clusters

- Some Limitations:
 - Not supported in some products (BAM)
 - No individual definitions for each server
 - Do not support targeting to any individual dynamic server instance
 - Simplified JMS cluster resources have also limitations:
 - Replicated distributed topics not supported
 - Weighted distributed destinations not supported
 - Hash based UUC routing not supported, path service is needed

SOA EDG 12c PS3 - New

Dynamic Clusters

- Automatic migration in Dynamic Clusters
 - Leasing (database recommended) must be defined for the cluster (= SC)
 - JTA migration policy must be defined in the server template (similar SC)
 - JMS migration policies must defined in Persistent Stores (no migratable targets!)

The screenshot shows the configuration page for Dynamic Clusters, specifically the High Availability settings. The page has a navigation bar with tabs for Configuration, Targets, Monitoring, and Notes. Below this, there are sub-tabs for Configuration and High Availability. A blue banner at the top of the configuration area says: "Click the **Lock & Edit** button in the Change Center to modify the settings on this page." Below the banner is a "Save" button. A paragraph of text reads: "Use this page to configure the high availability (HA) settings for a cluster-targeted JDBC store, or for a standalone-server-targeted JDBC store. If the store is targeted to a migratable target, then con".

Distribution Policy:	Distributed ▼	Specifies how the instances of a configu targeted. A JMS artifact is cluster-target scoped to a resource group and the resc configured on a store, it applies to all JM
Migration Policy:	On-Failure ▼	Controls migration and restart behavior c setting is configured on a cluster-targete See the migratable target settings for en artifacts. More Info...

SOA EDG 12c PS3 - New

Dynamic Clusters

- Automatic migration in Dynamic Clusters

– Both servers UP

Name ^	Partition	Server	Destinations Current	Messages Current	M
SOAJMSServer_auto_1@WLS_SOA1		WLS_SOA1	16	0	0
SOAJMSServer_auto_1@WLS_SOA2		WLS_SOA2	15	0	0

– Kill server WLS_SOA1

Name ^	Partition	Server	Destinations Current	Messages Current	Messages Pending	Mes
SOAJMSServer_auto_1@WLS_SOA1		WLS_SOA2	15	0	0	1
SOAJMSServer_auto_1@WLS_SOA2		WLS_SOA2	15	0	0	0

– Start WLS_SOA1 → AUTOMATIC FAILBACK

Name ^	Partition	Server	Destinations Current	Messages Current	M
SOAJMSServer_auto_1@WLS_SOA1		WLS_SOA1	16	0	0
SOAJMSServer_auto_1@WLS_SOA2		WLS_SOA2	15	0	0

SOA EDG 12c PS3 - New

Cluster syntax

- All servers syntax for t3:

t3://server1:port1,server2:port2,server3:port3...

- Cluster syntax for t3:

cluster:t3://cluster_name

- The invocation fetches the complete list of members in the cluster at any given time → Best support for Dynamic Clusters

Components

Component Type	Client Configurations			
OWSM Policy Manager	View <input type="checkbox"/> View <input type="checkbox"/> Bind...			
OWSM Agent				
com.oracle.soa.infra	Client ID	Service Type	Service ID	Connection
com.oracle.ess	fmw.ess.client:t3		urn:oracle.fmw.ess:t3	cluster:t3://ESS_Cluster
Fusion Middleware Control	fmw.soa.client:t3		urn:oracle.fmw.soa:t3	cluster:t3://SOA_Cluster

Note that you can use this cluster syntax only when the cluster is in the same domain.

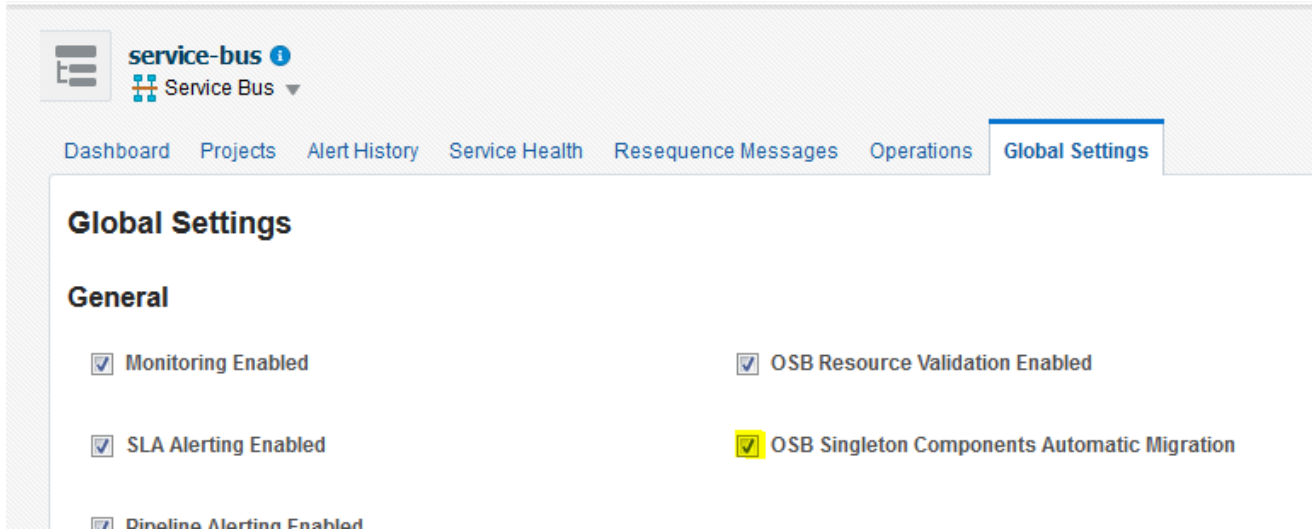
SOA EDG 12c PS3 - New

OSB Singletons High Availability

- OSB specific singleton components:
 - Aggregator Server & SLA
 - OSB Poller transports (ftp poller, File poller, Mail poller)
- Before:
 - Apps. targeted only to 1 server in the cluster (1st osb server)
 - Poller proxy services have a preferred server selected
 - Manual intervention needed to re-target if server 1 goes down
- Now:
 - All are singleton (WebLogic Singleton Framework), like "exactly-once" policy
 - Migrate automatically to other server when the server stop/fail

SOA EDG 12c PS3 - New

OSB Singletons High Availability



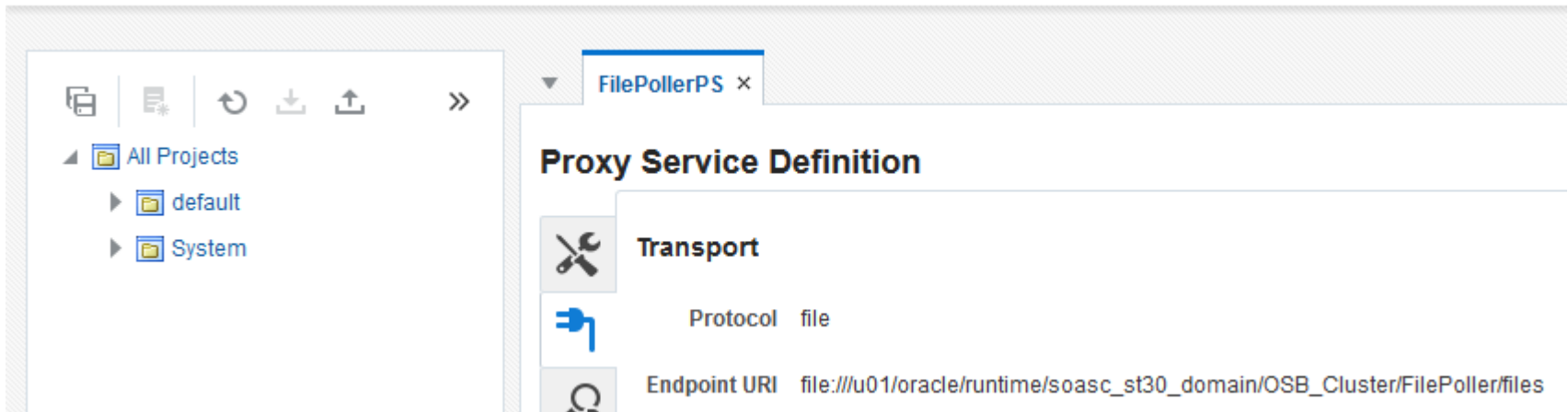
The screenshot shows the Oracle Service Bus administration console. The top navigation bar includes links for Dashboard, Projects, Alert History, Service Health, Resequence Messages, Operations, and Global Settings. The Global Settings page is displayed, showing the General section with several settings:

- Monitoring Enabled
- SLA Alerting Enabled
- Dinaline Alerting Enabled
- OSB Resource Validation Enabled
- OSB Singleton Components Automatic Migration

- Enabled by default if:
 - ASM selected in High Availability Options screen
 - In Dynamic Cluster (individual targeting not allowed in DC)

SOA EDG 12c PS3 - New OSB Singletons High Availability

- File Poller sample in dynamic cluster



- Singleton Deployment

	SB_FILE Proxy_a852c2c.121df8ae.0.15c9bc2e54b.N8000	New	Enterprise Application	OSB_Cluster	Global
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SOA EDG 12c PS3 - New OSB Singletons High Availability

- Both servers UP

```
select * from FMWDCST30_WLS_RUNTIME.ACTIVE
```

SERVER	INSTANCE	DOMAINNAME	CLUSTERNAME
1 service.default-TransportPollers-FilePollerPS	6747972434590956367/WLS_OSB2	soadc_st30_domain	OSB_Cluster
2 service.SINGLETON_MASTER	6747972434590956367/WLS_OSB2	soadc_st30_domain	OSB_Cluster
3 service.Appscoped_Singleton_Service_Initializer	6747972434590956367/WLS_OSB2	soadc_st30_domain	OSB_Cluster

- Kill/stop server WLS_OSB2
- Singleton poller migrates to WLS_OSB1

SERVER	INSTANCE	DOMAINNAME	CLUSTERNAME
1 service.SINGLETON_MASTER	-152349001923049885/WLS_OSB1	soadc_st30_domain	OSB_Cluster
2 service.Appscoped_Singleton_Service_Initializer	-152349001923049885/WLS_OSB1	soadc_st30_domain	OSB_Cluster
3 service.default-TransportPollers-FilePollerPS	-152349001923049885/WLS_OSB1	soadc_st30_domain	OSB_Cluster

<BEA-000189> <The Singleton Service default-TransportPollers-FilePollerPS is now active on this server.>

SOA EDG 12c PS3 - New

Scale-out/up procedures

- Included again scale-out and scale-up procedures for SOA
- Static clusters scale-out/up
 - Clone server
 - Configure migratable targets
 - Configured all the JMS persistent stores, JMS servers for the new server
 - ...
- Dynamic clusters scale-out/up
 - No need to create new resources: resources are targeted to the cluster

Settings for SOA_Cluster

Configuration Monitoring Control Deployments Services Notes

General JTA Messaging Servers Replication Migration Singleton Services Scheduling Overload Health Monitoring HTTP Coherence

— Dynamic Setting

Dynamic Cluster Size:

2

ORACLE®