ORACLE®



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New Model for IT Support

- 1. My Oracle Support
- 2. ASR & Rapid SR
- 3. EM Ops Center

Oracle Platinum Services

- Monitored for You
- Updated for You
- Extreme Value for You

Oracle Premier Support

- Integrated
- Proactive
- Efficient

Traditional IT Support

- Fragmented
- Reactive
- Costly





Program Agenda

- 1 STB Services Tools Bundle
- 2 Proactive Analysis Center (OSSA)
- 3 ASR Automated Service Request
- 4 OPS Center
- 5 Platinum Service
- 6 Questions



Oracle Services Tools Bundle



- Oracle Explorer Data Collector
- Oracle Remote Diagnostic Agent
- Oracle Serial Number in EEPROM (SNEEP)
- Oracle Automatic Crash Dump Tool (ACT)

Oracle Service Tools Bundle – What is it?

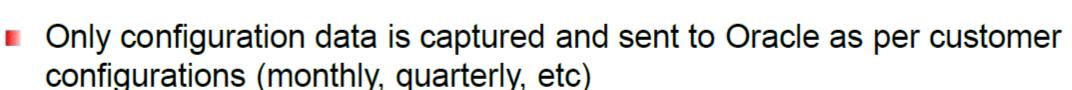
Features

- Self-extracting tool available for Solaris and Solaris x86 release 8 onwards
- Explorer series of shell scripts that gather system configuration, snapshot, and current state
- RDA captures comprehensive snapshot of environment for support (MacOS, UNIX, VMS, and Windows)
- SNEEP Easy serial number identification
- ACT Crash dump analysis tool



Oracle Service Tools Bundle – Value

Bundled tools provide foundation for proactive and reactive support from Oracle



- Enables customer to use Risk Assessment / Proactive capabilities (OSSA)
- Enables fully qualified Service Requests to be created (all data needed to assist in problem identification) ... faster problem resolution



Oracle Proactive Analysis Center

Oracle Sun System Analysis (OSSA)





Accessible via My Oracle Support – Proactive Hardware Services Tab



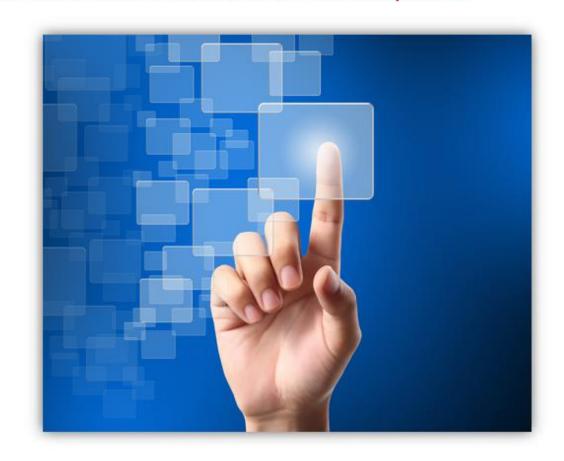
Oracle Proactive Analysis Center – What is it?

Oracle Proactive Analysis Center is a set of reports and content based on the output of

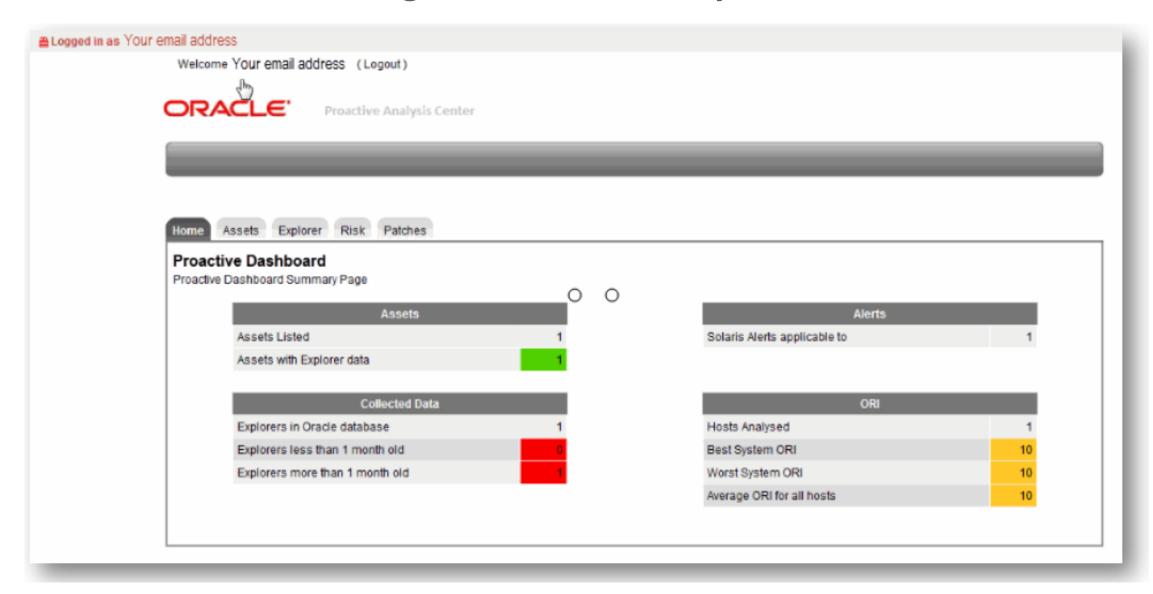
the explorer files sent to Oracle.

Easy to access tabbed format

- Home Page Summary of Assets, Collected Data, Alerts and ORI
- The reports shows the impact of risk and known issues over your entire supported network of systems.

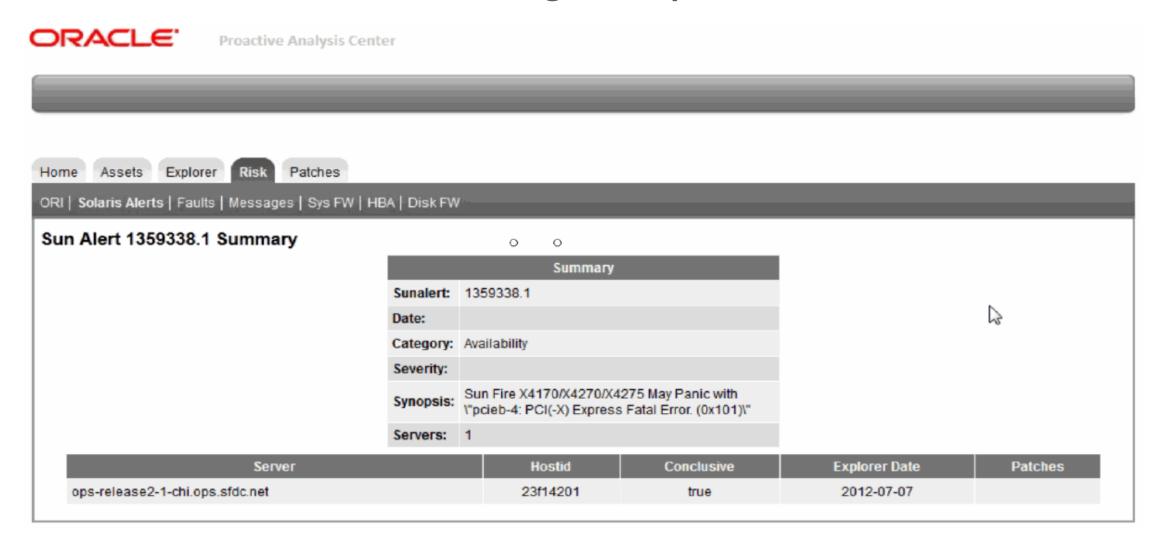


Accessing the Proactive Analysis Center





Accessing the Reports





Rules That May Cause Outages

Cause Outage - The following issues can cause unplanned outages

Rule Type	ld#	Applicability	Rule Description	Severity	Probability	Risk	ORI Severity
Sec Patches	118777-14	Conclusive	CVE-2010-2386	7	20%	51.6	Critical
Sec Patches	<u>120543-19</u>	Conclusive	CVE-2009-1891	7	70%	70.0	Critical
Sun Alert	<u>1386106.1</u>	Conclusive	Solaris Systems May PANIC Due to Race Condition in SCSI Framework Module	7	30%	53.7	Critical
Sun Alert	<u>1385969.1</u>	Conclusive	Solaris 10 'Disk In-Use' Check Failure May Allow Two Cluster Nodes to be Configured to Use the Same Disk	7	30%	53.7	Critical
Sun Alert	<u>1020706.1</u>	Conclusive	Security Vulnerabilities in Solaris IP(7P) Module and STREAMS Framework May Lead to a Denial of Service (DoS) Condition	7	10%	50.2	Critical
Sun Alert	<u>1020175.1</u>	Conclusive	A Security Vulnerability in the Solaris SCTP Packet Processing may Lead to a System Panic Resulting in a Denial of Service (DoS)	7	10%	50.2	Critical
Sun Alert	1020445.1	Conclusive	Security Vulnerability in the Solaris sendfile(3EXT) and sendfilev(3EXT) Extended Library Functions may Result in a Denial of Service (DoS) Condition due to a System Panic	8	30%	60.1	Critical
Sun Alert	1020542.1	Conclusive	Two Race Condition Vulnerabilities in the Solaris Event Port API May Allow Local Users to Panic the System, Causing a Denial of Service (DoS)	8	20%	58.0	Critical
Sun Alert	1019618.1	Conclusive	Solaris 10 Kernel Patches 127111-08 and 127112-08 May Cause a System Panic From ip_wput_ioctl()	8	30%	60.1	Critical
Sys Firmware	N/A	Conclusive	Downrev System Firmware	9	25%	65.8	Critical
Sun Alert	1487270.1	Conclusive	A Race Condition in Internet Routing Entries (IRE) Insertion on Solaris 10 and Solaris 11 Systems May Cause IRE Chain Corruption, And Possibly Lead to a System Panic	9	30%	67.2	Critical
Sun Alert	1480412.1	Conclusive	A Race Condition in Solaris 10 and 11 May Cause a NULL Pointer Dereference in vmu_calculate_proc Leading to a System Panic	9	30%	67.2	Critical
Sun Alert	1470576.1	Conclusive	Under Severe Memory Stress, Solaris 10/11 Systems Might Panic in TCP Mode (Port to Port Connection)	9	10%	64.3	Critical
Sun Alert	<u>1020811.1</u>	Conclusive	Security Vulnerability in Solaris pollwakeup(9F) May Allow an Unprivileged User to Panic the System	9	100%	95.5	Critical
Sun Alert	<u>1020811.1</u>	Conclusive	Security Vulnerability in Solaris pollwakeup(9F) May Allow an Unprivileged User to Panic the System	9	100%	95.5	Critical
Sun Alert	1020798.1	Conclusive	Multiple Security Vulnerabilities in libtiff(3) Handling of CODE_CLEAR Code	1	10%	9.9	Medium



Operational Risk

Operational Risk Index (ORI), is an indicator of a system's level of risk. This is calculated on the number and criticality of known issues that are identified as affecting a system. Generally, an ORI score below 150 is considered to be good, between 150 and 300 to be moderate risk, and above 300 to be high risk.

Based on the latest Explorer data we hold, the current status of systems at DGA is shown the the following table.

System	Hostid	Туре	Critical	High	Medium	Low	ORI
psishhp403		Sun Fire E2900	64	30	68	26	1020
psishhp404	8	Sun Fire E2900	64	30	67	26	1017
psishhp203	8	Sun SPARC Enterprise T5220	61	29	67	22	978
psishhp402		Sun Fire T2000	41	14	39	19	616
psishhp401	8	Sun Fire T2000	34	13	30	19	514
psisitp200	8	Sun Fire T2000	34	13	30	18	513
psisitp201	8	Sun Fire T2000	34	13	30	18	513
psishhp400	8	Sun Fire T2000	32	15	32	18	509
psishhp500	8	Sun Fire T2000	32	12	29	18	485
psisges900		Sun SPARC Enterprise T5220	23	7	20	5	330
psisitp900	8	Sun SPARC Enterprise T5220	22	7	22	4	325
psishhp201	8	Sun Fire T2000	22	5	23	6	320
psishhp202	8	Sun Fire T2000	22	5	23	6	320
psisbdp401	8	Sun Fire E2900	22	7	19	4	316
psisbdp400		Sun Fire E2900	22	7	19	4	316
psisiti001	8	Sun Fire T2000	21	6	22	6	312
psisbdp201	8	Sun Fire E2900	21	7	19	4	306
psisbdp200		Sun Fire E2900	21	7	19	4	306
psisitp002	8	Sun Fire T2000	21	5	22	5	306
psisges400		Sun Fire V240	21	7	18	2	301
psisges700	8	Sun Fire V245	21	6	19	3	300
psishhp002		Sun Fire V490	20	8	19	3	300
psisges600	8	Sun Fire V240	22	6	16	2	300
psisges800		Sun Fire V245	21	6	19	2	299
psisges300	8	Sun Fire V240	21	7	17	3	299
psiswep901		Sun SPARC Enterprise T5220	20	7	19	5	297
psisbdp901	8	Sun SPARC Enterprise M4000	20	7	19	5	297
psisbdp900	8	Sun SPARC Enterprise M4000	20	7	19	5	297
psisbdp051	8	Sun Fire E2900	20	7	19	4	296
psisbdp050	8	Sun Fire E2900	20	7	19	4	296
psiswep201	8	Sun Fire T2000	20	7	17	5	291
psisges200	8	Sun Fire V240	21	6	16	3	291
psisitp901	8	Sun SPARC Enterprise T5220	20	7	17	4	290
psishhp900	8	Sun SPARC Enterprise T5220	20	7	17	4	290
psiswep200	8	Sun Fire T2000	20	7	17	4	290
psisges500	£	Sun Fire V240	21	6	16	2	290

Test Results Summary

Test	Status
Boot Device and OBP settings	
Primary Boot Devices	PASS
Alternate Boot Devices	PASS
Diagnostic Devices	FAIL
Watchdog Reboot	PASS
Console Settings	PASS
Boot Device Mirroring	FAIL
OS Configuration Settings	
/etc/system Settings	PASS
/dev/null Configuration	PASS
Storage Driver Settings	PASS
Volume Manager Replicas	PASS
Volume Configuration	PASS
Volume Manager Mirror Configuration	FAIL
Veritas Licence Keys	PASS
Coreadm Configuration	PASS
Dump Space on Underlying Volume Devices	FAIL
Filesystem Logging	PASS
Filesystem Capacity	FAIL
Redundant Power Supply	
Power Supply Configuration	PASS
SunFire V480/880/1280 Specific.	
OBP Settings	PASS
SunFire 12K/15K/20K/25K Specific	
Internal Network Configuration	PASS
Split Expander	PASS



Oracle Auto Service Request (ASR)



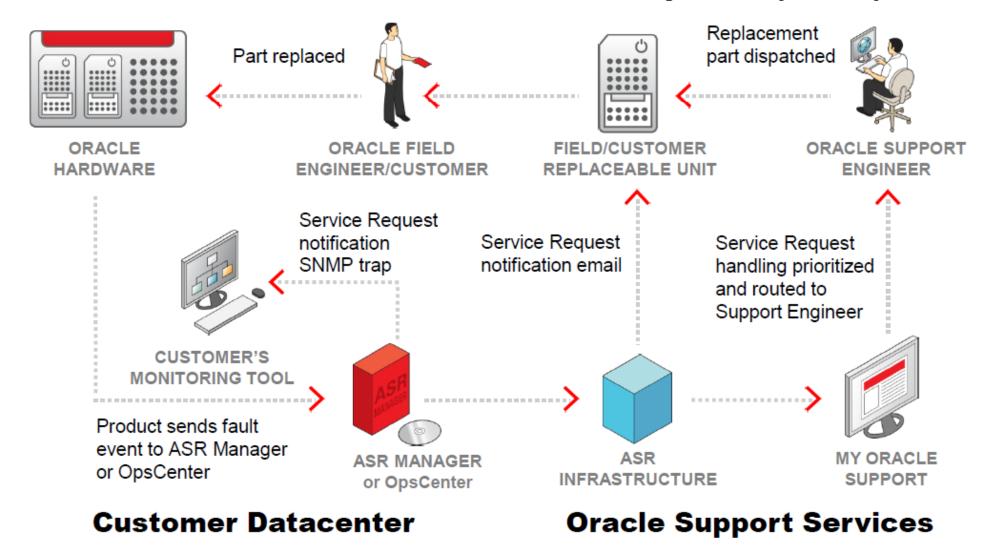
- Automatically creates Service
 Requests for known issues
- One-way transfer of fault information to Oracle – No security risks

What is ASR?

A secure, scalable, customerinstallable software solution that automatically generates a Service Request for specific hardware faults.

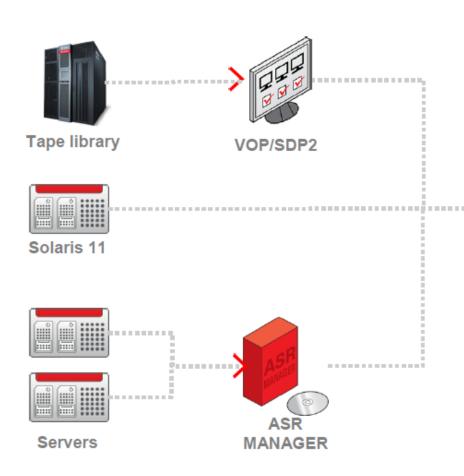


How does Oracle Auto Service Request (ASR) work?

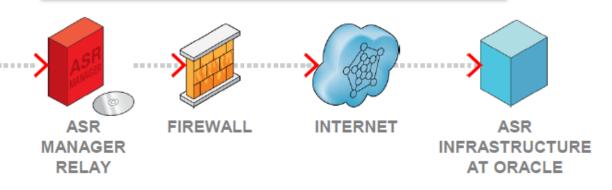




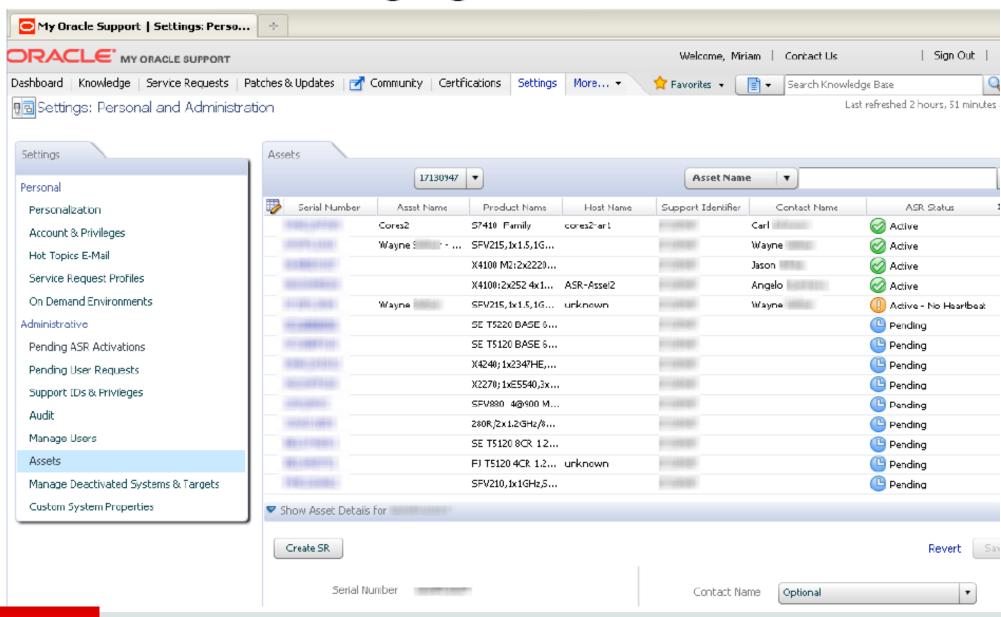
The ASR network



An ASR Manager can serve as a relay for VOP, other ASR Managers and for Solaris 11 ASR assets, sharing a common network connection to Oracle.



Managing ASR Assets



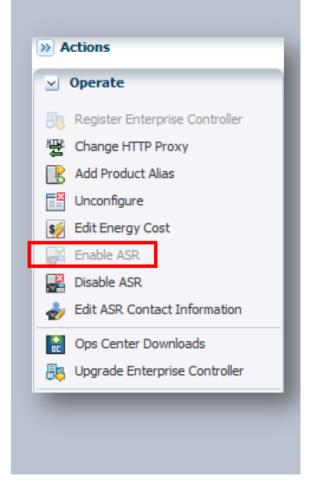
Enterprise Manager Ops Center and ASR

Easily implement ASR for assets managed by Ops Center

- Enable ASR for all assets managed by Ops Center (with one click)
- Fault event telemetry sources automatically configured
- Ops Center assigns ASR Contacts and completes My Oracle Support activation



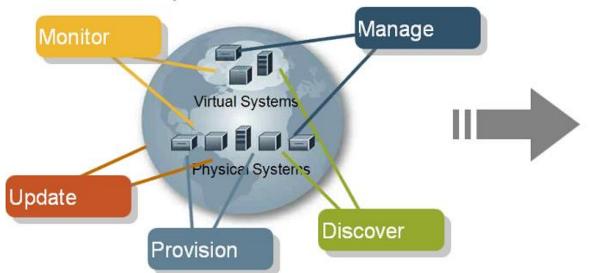
http://www.oracle.com/technetwork/oem/ops-center



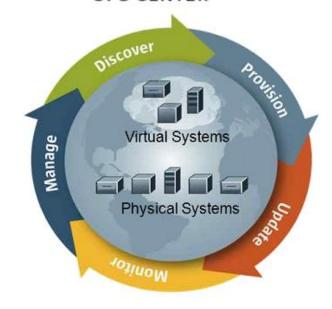
Foundation of EM Ops Center

Integration of Key Lifecycle Management Functions

Point products, scripts, manual processes









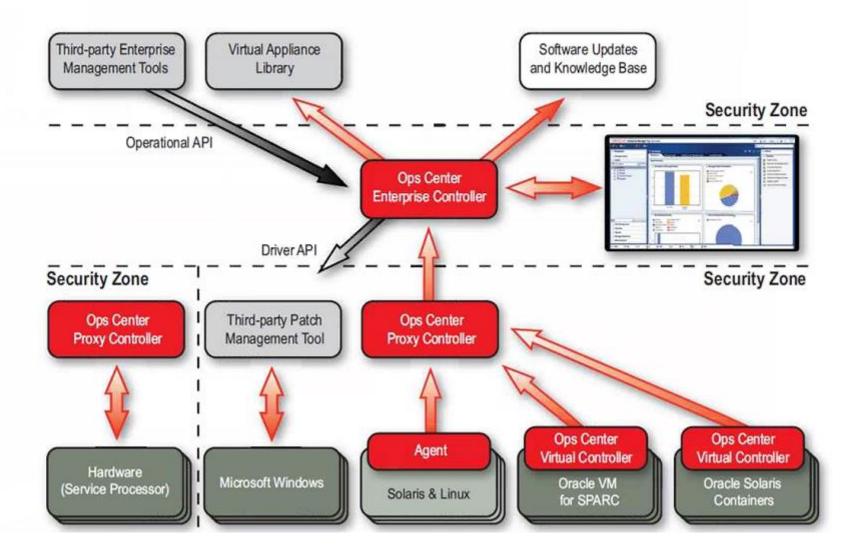
Oracle Enterprise Manager Ops Center

Complete Management for Oracle Hardware, OS & Virtualization



- Datacenter Discovery
- Virtualization Management
 - Oracle VM for x86/SPARC, Zones, Containers
- Configuration Management
 - Patch OS, Update Firmware,
 Configuration Compliance and Reporting
- Operating System Analytics
- Maintainence
 - Health Checks, Remote Management,
 Phone Home

Scalable and Secure Architecture





Why customers should utilize these tools



- Enables customer to be proactive and reduce unplanned down time
- Faster resolution times for Service Requests

Oracle Platinum Services



Certified Configurations on Oracle Engineered Systems



NO ADDITIONAL COST



Diagnose & Restore

Fault Monitoring





Update & Patch Deployment

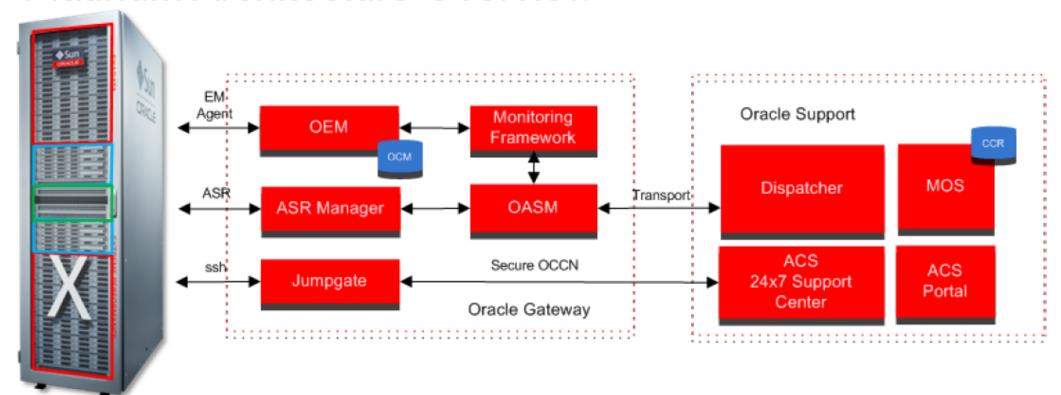


Platinum Services – Key Features and Benefits

	Features	Benefits			
Fault Monitoring	24x7 Fault monitoring	Fastest identification, notification and restoration of issues			
	Event filtering and qualification	Focus on critical events			
	Reporting on event management	Full visibility into faults detected by Oracle			
	A single global knowledge base, tool set and client portal	Leverage Oracle's deep IP of your system			
Respond and Restore	24/7 Response Times: • 5-min fault notification • 15-min restoration or escalation to development • 30-min joint debugging	Highest level of response with the fastest path to issue restore			
	Escalation process and hotline with dedicated escalation managers	Expert support staff available 24x7			
Update and Patch	Assess and Analyze – produce quarterly patch plan	Proactive identification of best practice configuration for optimal performance			
	Plan and Deploy - Proactively plan and deploy recommended patches every quarter across all system & software components	Minimize business disruption and ensure systems performance			



Platinum Architecture Overview



OEM: Oracle Enterprise Manager ASR: Automatic Service Request

OASM: Oracle Automated Service Manager

ACS: Advanced Customer Services

OCCN: Oracle Continuous Connected Network

MOS: My Oracle Support

OCM: Oracle Configuration Manager CCR: Customer Configuration Repository







Hardware and Software

ORACLE

Engineered to Work Together