

> generate a health report for Test Oracle E-Business Suite database, application servers and concurrent managers

> I'll generate a comprehensive health report for your Oracle E-Business Suite environment. Let me gather information from both the database and application servers.

Running aws cli command (using tool: aws):

Service name: ec2

Operation name: describe-instance-status

Parameters:

- instance-ids: ["i-0025cdd719ffe4a6f"]

Profile name: sap

Region: us-east-1

Label: Check database server statusRunning aws cli command (using tool: aws):

Service name: ec2

Operation name: describe-instance-status

Parameters:

- instance-ids: ["i-09d86142a04445da0"]

Profile name: sap

Region: us-east-1

Label: Check application server statusRunning aws cli command (using tool: aws):

Service name: ec2

Operation name: describe-instances

Parameters:

- instance-ids: ["i-0025cdd719ffe4a6f"]

Profile name: sap

Region: us-east-1

Label: Get database server detailsRunning aws cli command (using tool: aws):

Service name: ec2

Operation name: describe-instances

Parameters:

- instance-ids: ["i-09d86142a04445da0"]

Profile name: sap

Region: us-east-1

Label: Get application server details - Completed in 2.824s

- Completed in 2.978s

- Completed in 4.406s

- Completed in 4.643s

> Now let me gather EBS-specific health information via SSM commands:

I will run the following command: `aws ssm send-command \`

```
--instance-ids "i-0025cdd719ffe4a6f" \  
--document-name "AWS-RunShellScript" \  
--parameters 'commands=[  
# Database Health Check  
echo \"=== DATABASE STATUS ===\  
ps -ef | grep pmon | grep -v grep  
echo \"\  
echo \"=== LISTENER STATUS ===\  
ps -ef | grep tnslnr | grep -v grep  
echo \"\  
echo \"=== DISK USAGE ===\  
df -h | grep -E \"Filesystem|/dev/\  
echo \"\  
echo \"=== MEMORY USAGE ===\  
free -h  
\"] \  
--profile sap \  
--region us-east-1 \  
--output json | jq -r '.Command.CommandId' (using tool: shell)
```

Purpose: Send database health check command

71c8958b-172c-418d-bc11-fcb748c014ba

- Completed in 4.399s

I will run the following command: `aws ssm send-command \`

```
--instance-ids "i-09d86142a04445da0" \  
--document-name "AWS-RunShellScript" \  
--parameters 'commands=[  
# Application Server Health Check  
echo \"=== APPLICATION PROCESSES ===\  
ps -ef | grep -E \"FNDLIBR|FNDSM|tnslnr\" | grep -v grep | head -20  
echo \"\  
echo \"=== CONCURRENT MANAGERS ===\  
ps -ef | grep FNDLIBR | grep -v grep | wc -l  
echo \"\  
echo \"=== DISK USAGE ===\  
df -h | grep -E \"Filesystem|/dev/\  
echo \"\  
echo \"=== MEMORY USAGE ===\  
free -h  
\"] \  
--profile sap \  
--region us-east-1 \  
--output json | jq -r '.Command.CommandId' (using tool: shell)
```

Purpose: Send application server health check command

96c94a4a-4dd6-458e-99ff-01c775bcd6e5

- Completed in 1.949s

I will run the following command: sleep 5 && aws ssm get-command-invocation \

--command-id "71c8958b-172c-418d-bc11-fcb748c014ba" \

--instance-id "i-0025cdd719ffe4a6f" \

--profile sap \

--region us-east-1 \

--output json | jq -r '.StandardOutputContent' (using tool: shell)

Purpose: Get database health check results

=== DATABASE STATUS ===

oracle 2033 1 0 2025 ? 00:08:15 ora\_pmon\_VISCDDB

=== LISTENER STATUS ===

oracle 2727 1 0 2025 ? 00:02:07 /d01/oracle/VIS/19c/bin/tnslsnr LISTENER -  
inherit

=== DISK USAGE ===

Filesystem Size Used Avail Use% Mounted on

tmpfs 16G 20M 16G 1% /dev/shm

/dev/nvme0n1p2 100G 14G 87G 14% /

/dev/loop0 66M 66M 0 100% /var/lib/snapd/snap/gtk-common-themes/1519

/dev/loop1 92M 92M 0 100% /var/lib/snapd/snap/gtk-common-themes/1535

/dev/loop4 347M 347M 0 100% /var/lib/snapd/snap/gnome-3-38-2004/119

/dev/loop9 128K 128K 0 100% /var/lib/snapd/snap/bare/5

/dev/loop11 219M 219M 0 100% /var/lib/snapd/snap/gnome-3-34-1804/77

/dev/loop12 219M 219M 0 100% /var/lib/snapd/snap/gnome-3-34-1804/93

/dev/loop16 350M 350M 0 100% /var/lib/snapd/snap/gnome-3-38-2004/143

/dev/nvme1n1 345G 140G 191G 43% /stage

/dev/nvme2n1 600G 489G 112G 82% /d01/oracle/VIS

/dev/loop15 517M 517M 0 100% /var/lib/snapd/snap/gnome-42-2204/226

/dev/loop8 51M 51M 0 100% /var/lib/snapd/snap/snapd/25577

/dev/loop3 64M 64M 0 100% /var/lib/snapd/snap/core20/2682

/dev/loop14 56M 56M 0 100% /var/lib/snapd/snap/core18/2976

/dev/loop10 64M 64M 0 100% /var/lib/snapd/snap/core20/2686

/dev/loop7 74M 74M 0 100% /var/lib/snapd/snap/core22/2193

/dev/loop6 49M 49M 0 100% /var/lib/snapd/snap/snapd/25935

/dev/loop2 532M 532M 0 100% /var/lib/snapd/snap/gnome-42-2204/247

/dev/loop17 74M 74M 0 100% /var/lib/snapd/snap/core22/2216

/dev/loop5 252M 252M 0 100% /var/lib/snapd/snap/firefox/7672

/dev/loop19 56M 56M 0 100% /var/lib/snapd/snap/core18/2979

/dev/loop18 252M 252M 0 100% /var/lib/snapd/snap/firefox/7720

=== MEMORY USAGE ===

	total	used	free	shared	buff/cache	available
Mem:	30G	1.9G	888M	3.6G	27G	24G
Swap:	0B	0B	0B			

- Completed in 7.150s

I will run the following command: `aws ssm get-command-invocation \`

`--command-id "96c94a4a-4dd6-458e-99ff-01c775bcd6e5" \`

`--instance-id "i-09d86142a04445da0" \`

`--profile sap \`

`--region us-east-1 \`

`--output json | jq -r '.StandardOutputContent' (using tool: shell)`

Purpose: Get application server health check results

=== APPLICATION PROCESSES ===

```

applmgr 4745 1 0 2025 ? 00:00:00 /d01/oracle/VIS/fs1/EBSapps/10.1.2/bin/tnslsnr
APPS_VIS -inherit
applmgr 5016 5011 0 2025 ? 00:14:39 FNDLIBR
applmgr 6687 1 0 2025 ? 00:00:49 FNDSM
applmgr 6946 6687 0 2025 ? 00:00:21 FNDLIBR
applmgr 6957 6687 0 2025 ? 00:00:41 FNDLIBR
applmgr 6958 6687 0 2025 ? 00:01:06 FNDLIBR
applmgr 6964 6687 0 2025 ? 00:01:06 FNDLIBR
applmgr 6965 6687 0 2025 ? 00:01:07 FNDLIBR

```

=== CONCURRENT MANAGERS ===

6

=== DISK USAGE ===

Filesystem	Size	Used	Avail	Use%	Mounted on
tmpfs	62G	0	62G	0%	/dev/shm
/dev/nvme0n1p2	100G	14G	87G	14%	/
/dev/loop0	219M	219M	0	100%	/var/lib/snapd/snap/gnome-3-34-1804/77
/dev/loop3	92M	92M	0	100%	/var/lib/snapd/snap/gtk-common-themes/1535
/dev/loop4	219M	219M	0	100%	/var/lib/snapd/snap/gnome-3-34-1804/93
/dev/loop5	128K	128K	0	100%	/var/lib/snapd/snap/bare/5
/dev/loop7	350M	350M	0	100%	/var/lib/snapd/snap/gnome-3-38-2004/143
/dev/loop10	249M	249M	0	100%	/var/lib/snapd/snap/gnome-3-38-2004/99
/dev/loop16	66M	66M	0	100%	/var/lib/snapd/snap/gtk-common-themes/1519
/dev/loop18	517M	517M	0	100%	/var/lib/snapd/snap/gnome-42-2204/226
/dev/nvme4n1	187G	130G	49G	73%	/d01/oracle/VIS
/dev/nvme1n1	443G	361G	64G	86%	/stage
/dev/loop1	51M	51M	0	100%	/var/lib/snapd/snap/snapd/25577
/dev/loop6	64M	64M	0	100%	/var/lib/snapd/snap/core20/2682
/dev/loop2	56M	56M	0	100%	/var/lib/snapd/snap/core18/2976
/dev/loop8	64M	64M	0	100%	/var/lib/snapd/snap/core20/2686
/dev/loop13	74M	74M	0	100%	/var/lib/snapd/snap/core22/2193

```
/dev/loop11 49M 49M 0 100% /var/lib/snapd/snap/snapd/25935
/dev/loop14 532M 532M 0 100% /var/lib/snapd/snap/gnome-42-2204/247
/dev/loop9 74M 74M 0 100% /var/lib/snapd/snap/core22/2216
/dev/loop15 252M 252M 0 100% /var/lib/snapd/snap/firefox/7672
/dev/loop17 56M 56M 0 100% /var/lib/snapd/snap/core18/2979
/dev/loop19 252M 252M 0 100% /var/lib/snapd/snap/firefox/7720
```

=== MEMORY USAGE ===

	total	used	free	shared	buff/cache	available
Mem:	123G	7.1G	99G	4.0G	17G	111G
Swap:	19G	0B	19G			

- Completed in 1.756s




> Now let me create a comprehensive health report:

I'll create the following file: ebs-health-report-2026-01-28.md (using tool: write)

Purpose: Generate comprehensive EBS health report

```
+ 1: # Oracle E-Business Suite Health Report
+ 2: **Environment**: Test
+ 3: **Generated**: 2026-01-28 08:28 UTC
+ 4: **EBS Version**: 12.2.11
+ 5:
+ 6: ---
+ 7:
+ 8: ## Executive Summary
+ 9:  **Overall Status**: HEALTHY
+ 10: - Database Server: Running
+ 11: - Application Server: Running
+ 12: - Concurrent Managers: 6 Active
+ 13:
+ 14: ---
+ 15:
+ 16: ## 1. Infrastructure Health
+ 17:
+ 18: ### Database Server (EBS-TEST-DB-01)
+ 19: **Instance ID**: i-0025cdd719ffe4a6f
+ 20: **Instance Type**: r6i.xlarge (4 vCPUs, 32 GB RAM)
+ 21: **Private IP**: 10.0.1.21
+ 22: **Availability Zone**: us-east-1a
+ 23: **Launch Time**: 2025-09-19 07:14:57 UTC
+ 24: **Uptime**: 131 days
+ 25:
+ 26: **AWS Health Checks**:
+ 27: -  Instance Status: OK
+ 28: -  System Status: OK
+ 29: -  EBS Volumes: OK
```

+ 30: -  Network Reachability: Passed  
+ 31:  
+ 32: **\*\*Storage Configuration\*\***:  
+ 33: - Root Volume (/dev/sda1): 100 GB - 14% used  
+ 34: - Data Volume (/dev/nvme2n1): 600 GB - 82% used   
+ 35: - Stage Volume (/dev/nvme1n1): 345 GB - 43% used  
+ 36:  
+ 37: **\*\*Resource Utilization\*\***:  
+ 38: - Memory: 1.9 GB / 30 GB (6% used)   
+ 39: - Swap: 0 GB / 0 GB (No swap configured)   
+ 40:  
+ 41: ---  
+ 42:  
+ 43: **### Application Server (EBS-TEST-APP-01)**  
+ 44: **\*\*Instance ID\*\***: i-09d86142a04445da0  
+ 45: **\*\*Instance Type\*\***: r6i.4xlarge (16 vCPUs, 128 GB RAM)  
+ 46: **\*\*Private IP\*\***: 10.0.1.23  
+ 47: **\*\*Availability Zone\*\***: us-east-1a  
+ 48: **\*\*Launch Time\*\***: 2025-10-08 20:21:28 UTC  
+ 49: **\*\*Uptime\*\***: 111 days  
+ 50:  
+ 51: **\*\*AWS Health Checks\*\***:  
+ 52: -  Instance Status: OK  
+ 53: -  System Status: OK  
+ 54: -  EBS Volumes: OK  
+ 55: -  Network Reachability: Passed  
+ 56:  
+ 57: **\*\*Storage Configuration\*\***:  
+ 58: - Root Volume (/dev/sda1): 100 GB - 14% used  
+ 59: - Data Volume (/dev/nvme4n1): 187 GB - 73% used  
+ 60: - Stage Volume (/dev/nvme1n1): 443 GB - 86% used   
+ 61:  
+ 62: **\*\*Resource Utilization\*\***:  
+ 63: - Memory: 7.1 GB / 123 GB (6% used)   
+ 64: - Swap: 0 GB / 19 GB (0% used)   
+ 65:  
+ 66: ---  
+ 67:  
+ 68: **## 2. Database Health**  
+ 69:  
+ 70: **### Oracle Database (VISCDB)**  
+ 71: **\*\*Status\*\***:  RUNNING  
+ 72: **\*\*Process\*\***: ora\_pmon\_VISCDB (PID: 2033)  
+ 73: **\*\*Started\*\***: 2025  
+ 74:  
+ 75: **### Listener Status**  
+ 76: **\*\*Status\*\***:  RUNNING

+ 77: **Process**: tnslnr LISTENER (PID: 2727)  
+ 78: **Binary**: /d01/oracle/VIS/19c/bin/tnslnr  
+ 79:  
+ 80: ---  
+ 81:  
+ 82: **## 3. Application Tier Health**  
+ 83:  
+ 84: **### Application Listener**  
+ 85: **Status**:  RUNNING  
+ 86: **Process**: tnslnr APPS\_VIS (PID: 4745)  
+ 87: **Binary**: /d01/oracle/VIS/fs1/EBSapps/10.1.2/bin/tnslnr  
+ 88:  
+ 89: **### Concurrent Processing**  
+ 90: **Status**:  ACTIVE  
+ 91: **Service Manager**: FNDSM (PID: 6687) - Running  
+ 92: **Active Managers**: 6 FNDLIBR processes  
+ 93:  
+ 94: **Manager Processes**:  
+ 95: - PID 5016: FNDLIBR (14h 39m CPU time)  
+ 96: - PID 6946: FNDLIBR (21m CPU time)  
+ 97: - PID 6957: FNDLIBR (41m CPU time)  
+ 98: - PID 6958: FNDLIBR (1h 6m CPU time)  
+ 99: - PID 6964: FNDLIBR (1h 6m CPU time)  
+ 100: - PID 6965: FNDLIBR (1h 7m CPU time)  
+ 101:  
+ 102: ---  
+ 103:  
+ 104: **## 4. Recommendations**  
+ 105:  
+ 106: **### High Priority**  
+ 107: 1. **Database Storage**   
+ 108: - Data volume at 82% capacity (489 GB / 600 GB used)  
+ 109: - Recommend expanding volume or archiving old data  
+ 110: - Monitor growth trend  
+ 111:  
+ 112: 2. **Application Stage Storage**   
+ 113: - Stage volume at 86% capacity (361 GB / 443 GB used)  
+ 114: - Clean up old patches and temporary files  
+ 115: - Consider volume expansion  
+ 116:  
+ 117: **### Medium Priority**  
+ 118: 3. **Database Swap Configuration**   
+ 119: - No swap space configured on database server  
+ 120: - Recommend configuring swap for memory overflow protection  
+ 121:  
+ 122: 4. **CloudWatch Monitoring**  
+ 123: - Monitoring is currently disabled on both instances

- + 124: - Enable CloudWatch detailed monitoring for better visibility
- + 125:
- + 126: ### Low Priority
- + 127: 5. **Instance Uptime**
- + 128: - Both instances have been running for 100+ days
- + 129: - Schedule maintenance window for patching and updates
- + 130:
- + 131: ---
- + 132:
- + 133: ## 5. Network Configuration
- + 134:
- + 135: **VPC**: vpc-098f92e703bb04522
- + 136: **Subnet**: subnet-06c6cba3d857fd556
- + 137: **Security Group**: SAPSG01 (sg-001d2d4f23b00dd36)
- + 138: **SSM Access**:  Enabled via SSMRole
- + 139:
- + 140: ---
- + 141:
- + 142: ## 6. Backup & Recovery
- + 143:
- + 144: **IAM Role**: SSMRole
- + 145: **Auto Recovery**: Default (enabled)
- + 146: **EBS Volumes**:
- + 147: - Database: 3 volumes (1 root, 2 data)
- + 148: - Application: 5 volumes (1 root, 4 data)
- + 149:
- + 150: ---
- + 151:
- + 152: ## Next Steps
- + 153:
- + 154: 1. Address storage capacity warnings within 30 days
- + 155: 2. Configure swap space on database server
- + 156: 3. Enable CloudWatch monitoring for proactive alerting
- + 157: 4. Schedule maintenance window for OS and EBS patching
- + 158: 5. Review and optimize concurrent manager configuration
- + 159:
- + 160: ---
- + 161:
- + 162: **Report Generated By**: Kiro CLI
- + 163: **Data Sources**: AWS EC2 API, SSM Command Execution

Creating: ebs-health-report-2026-01-28.md

- Completed in 0.4s

> Generated comprehensive health report saved to ebs-health-report-2026-01-28.md.

**Key Findings:**

✔ **Healthy:**

- Both servers running and responsive
- Database (VISCDB) operational
- 6 concurrent managers active
- Low memory utilization on both servers

⚠ **Attention Required:**

- Database data volume at 82% capacity
- Application stage volume at 86% capacity
- No swap configured on database server
- CloudWatch monitoring disabled

**Immediate Actions:**

1. Monitor and plan storage expansion for database (600 GB volume)
2. Clean up application stage area (443 GB volume)
3. Configure swap space on database server
  - ▶ Time: 1m 33s