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Oracle Solaris Stats Store and Web UI

ORACLE SOLARIS 11

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Stats Store

svc:/system/sstore

- Some contradictory ideas
  - What isn't measured cannot be improved
- On the other hand
  - Measuring can affect to symptoms
- Always have to balance collection of data vs impact
- Consequently
  - Rarely have the right data being collected when a problem occurs

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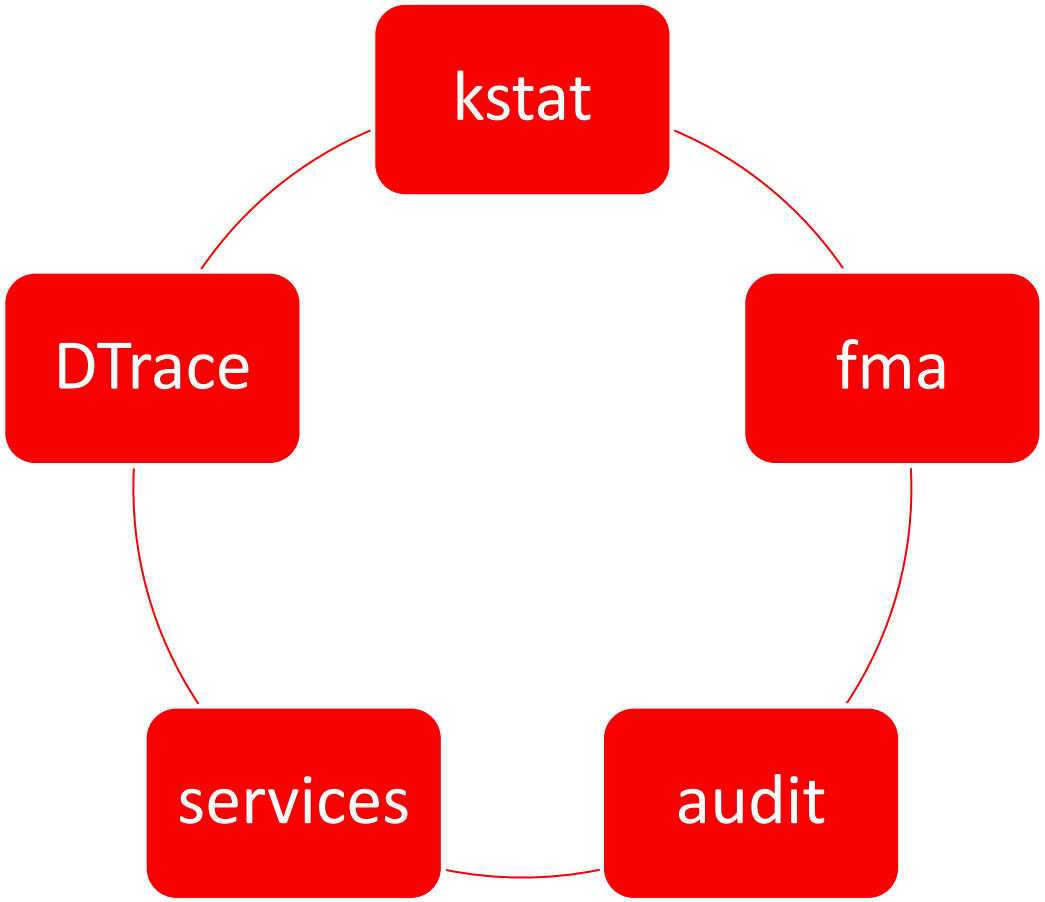
Stats Store

svc:/system/sstore



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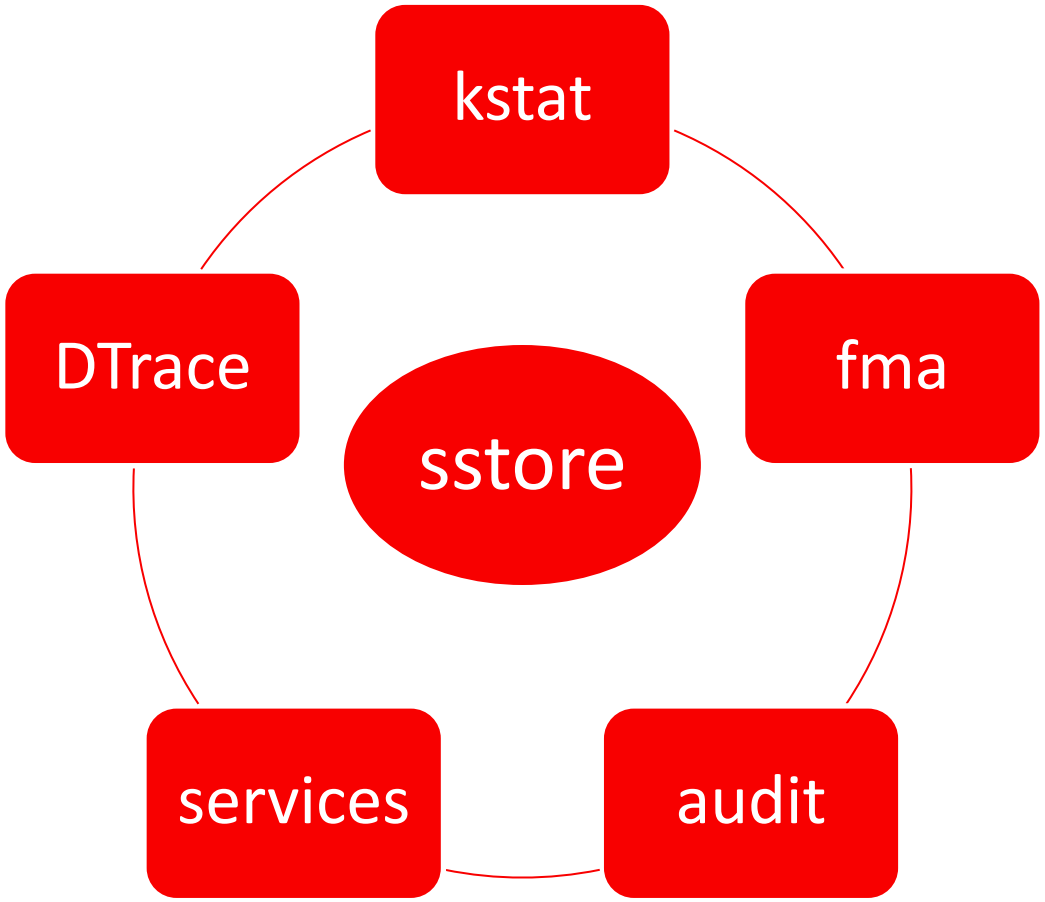
Stats Store

svc:/system/sstore



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Oracle Solaris 11.4: Stats Store

Near Zero-Overhead Diagnosis

- Always-available real-time and historical data
  - Essential statistics collected by default
  - More performance data acquired instantly
  - Extensible to any application
- For any VM, on premise or in the cloud
  - Accessible and customizable by any authorized user
  - Near-zero overhead
- Zero administrative overhead
  - No extra software to manage
  - No configuration necessary

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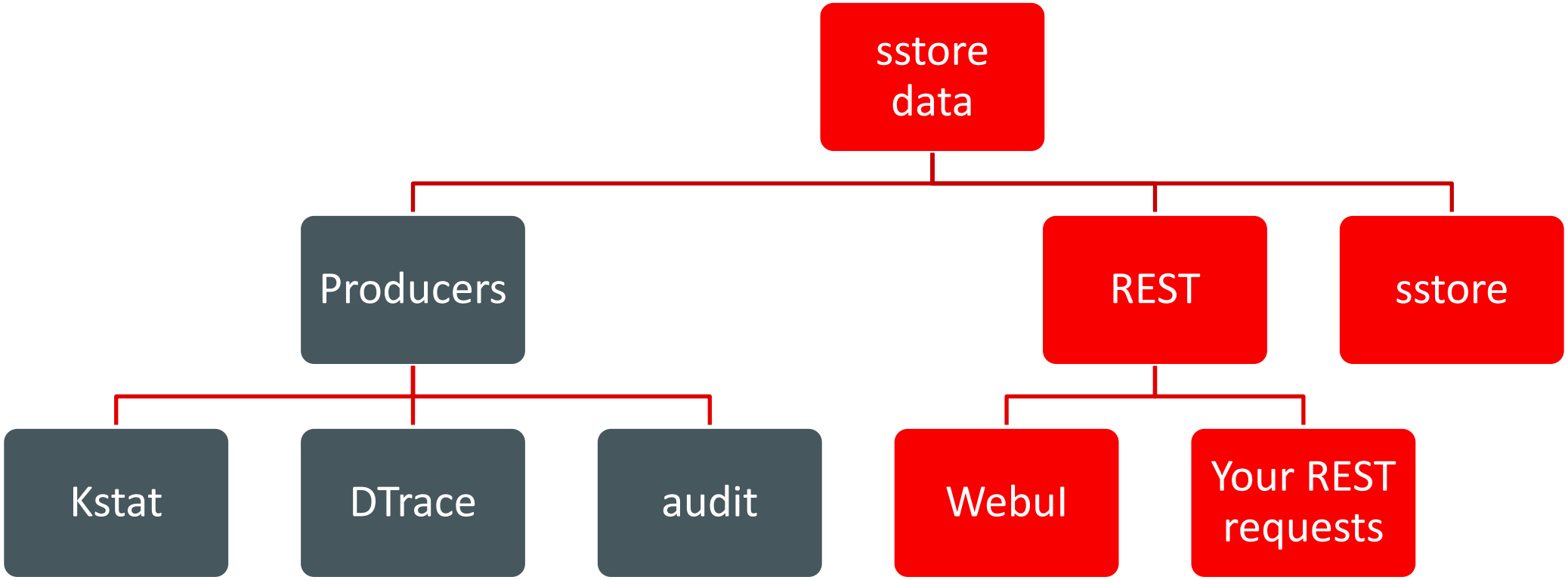
WebUI

svc:/system/webui/server



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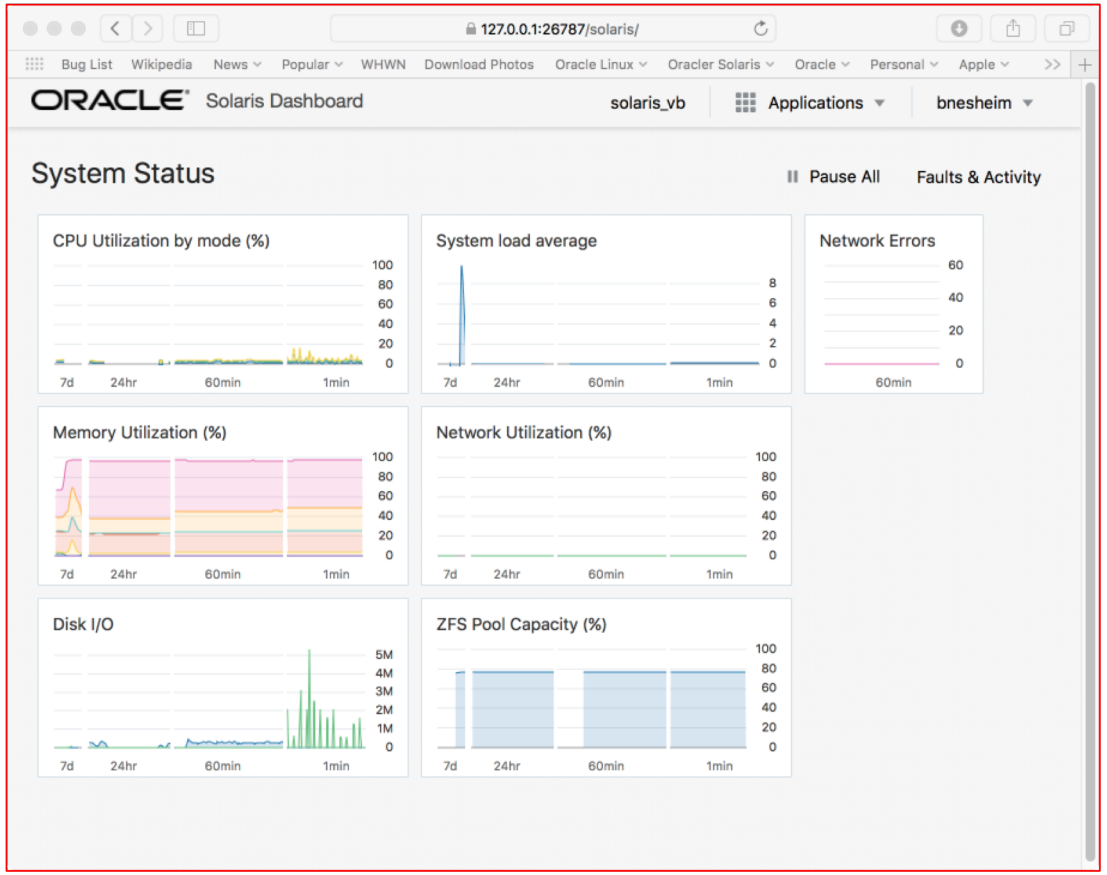
Oracle Solaris 11.4 Beta: Admin Web Dashboard

System Management Features

- Real-time and historical data
  - Essential statistics collected continuously
  - More health and performance data acquired instantly
  - Compliance and security statistics for authorized users
- Lightweight intuitive web based UI
  - Designed for minimal overhead
  - No Agents to install



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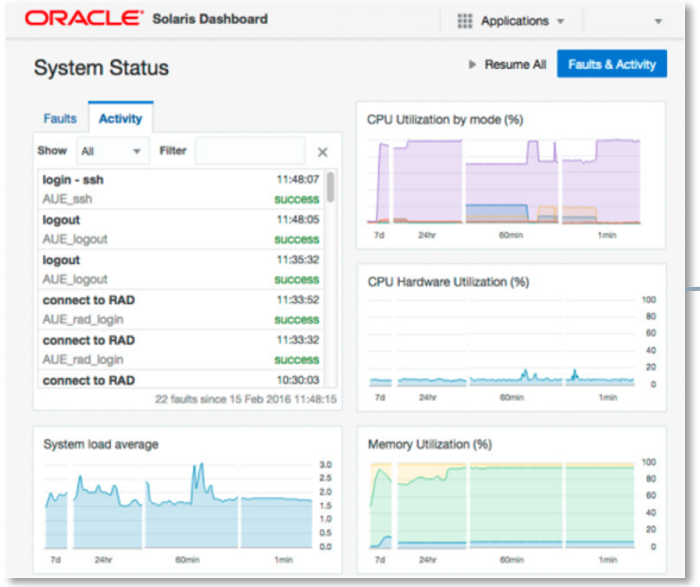
Oracle Solaris 11.4: Web Dashboard

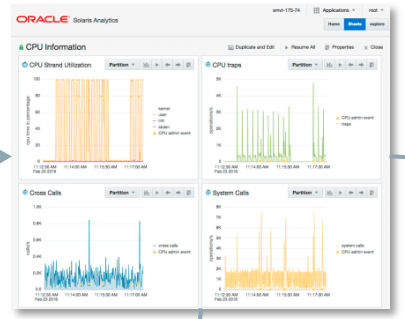
System Management Features



Dashboard - System Status at a glance

Basic system configuration
Historical system data
System faults and activities

Select resource



Specialized diagnostics sheets

System resources, applications, …

Drill-down

Explore specific data sets

Navigate in time

Correlate different time periods and statistics

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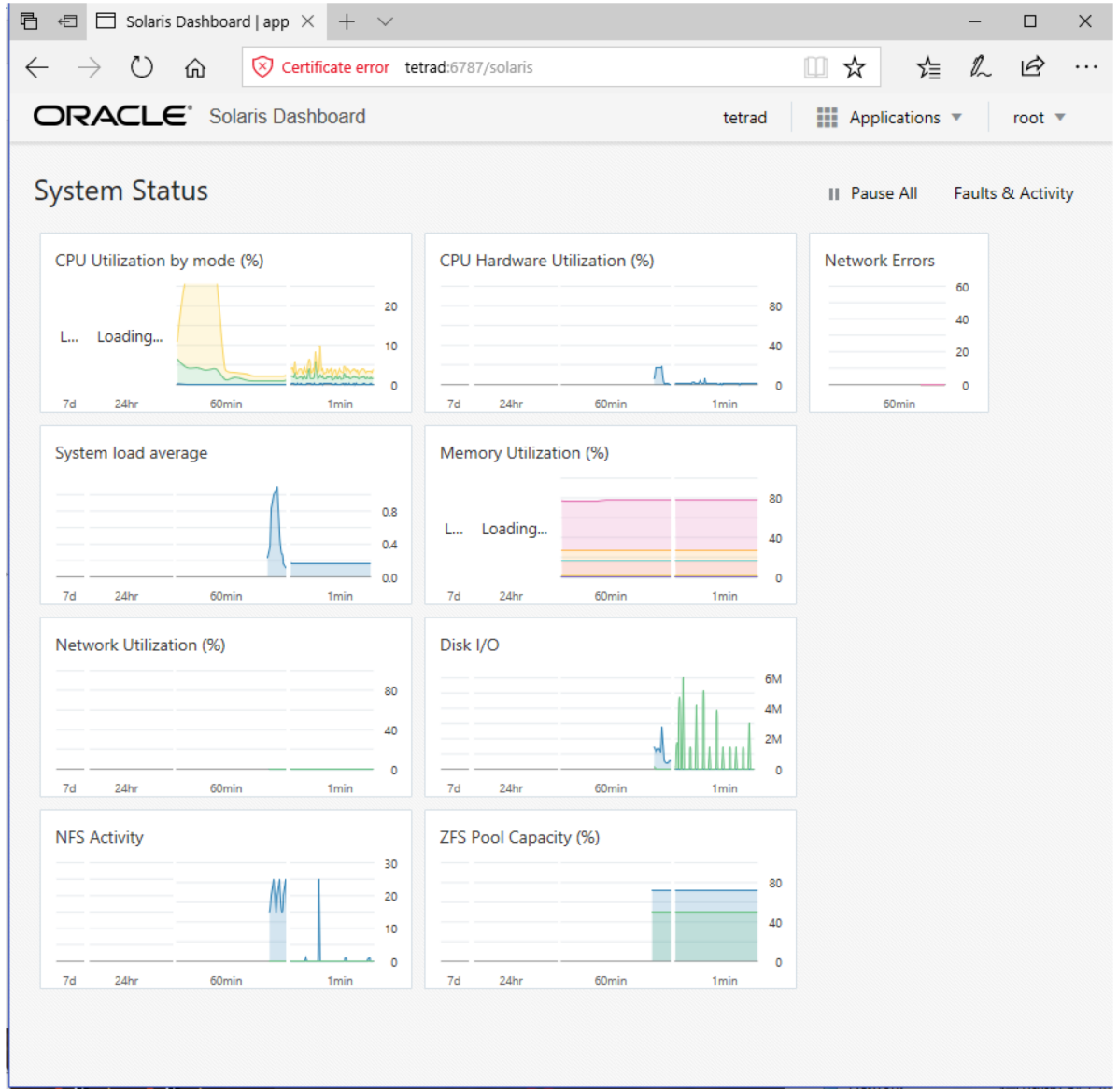
WebUI

svc:/system/webui/server

- Lets look at some of the sstore data you can see (but let's look at it via the pretty graphs)
- svcadm enable webui/server
- Point your browser at https://<hostname>:6787



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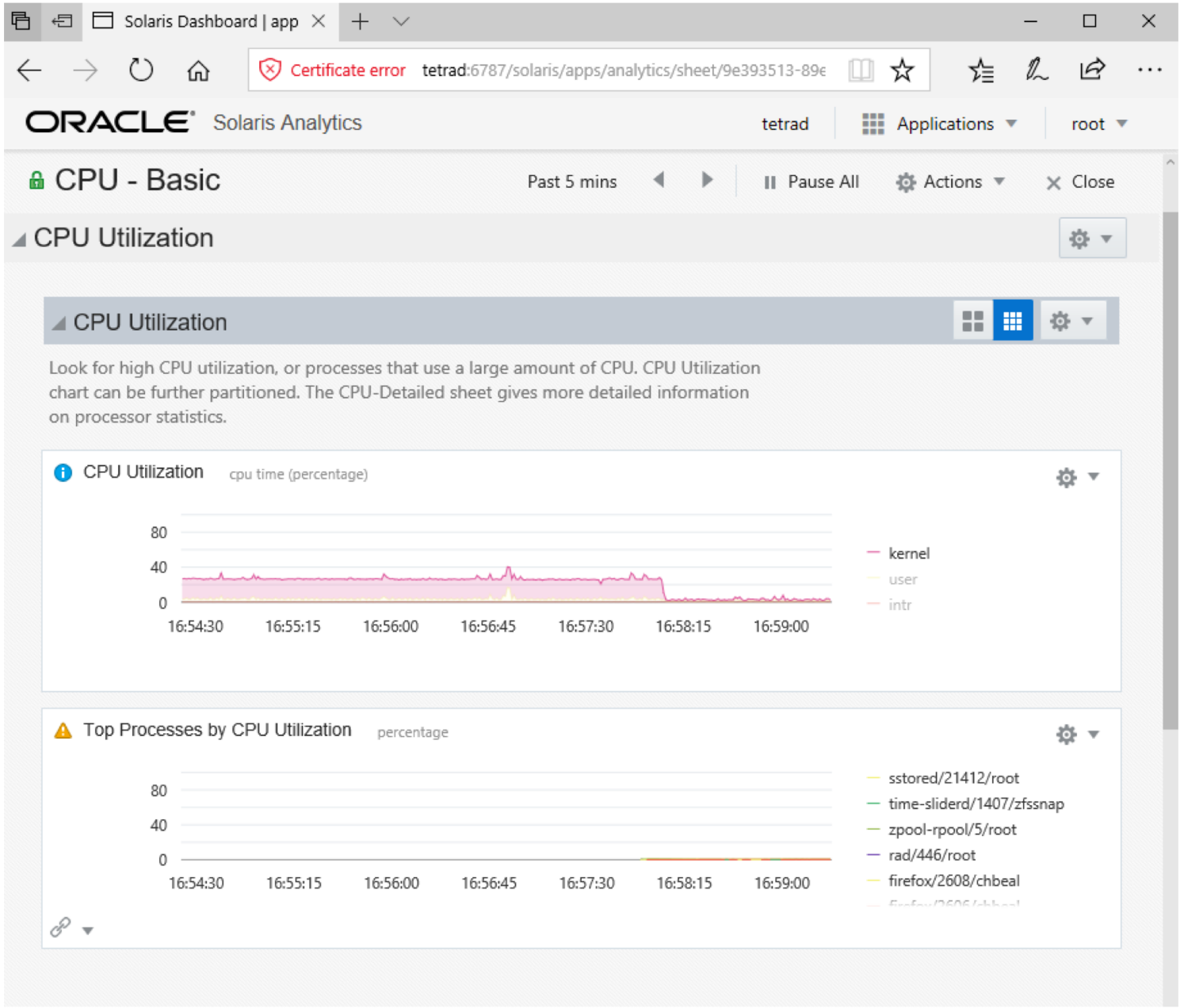
WebUI

svc:/system/webui/server

- Drill in to CPU statistics



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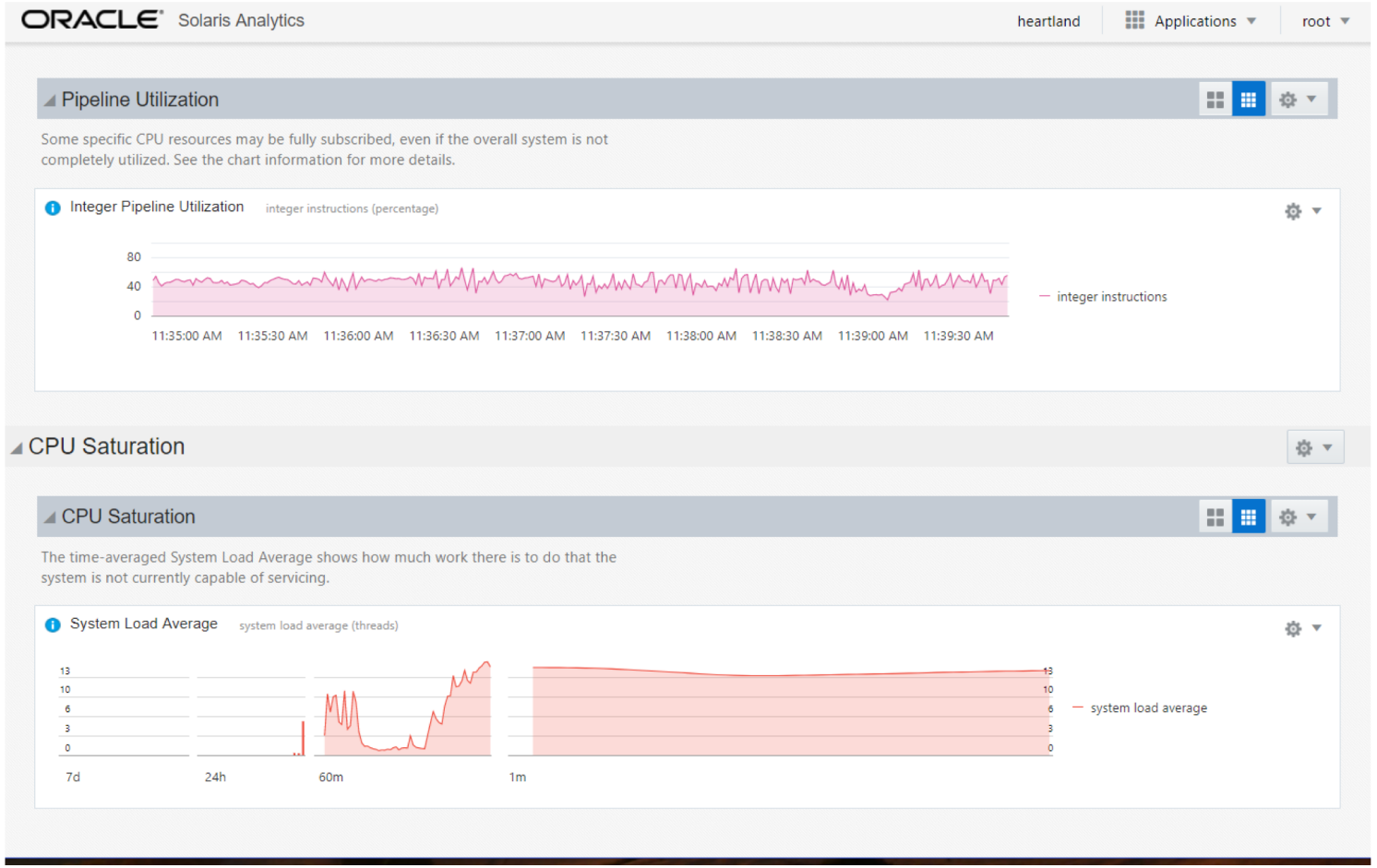
WebUI

svc:/system/webui/server

- Processor utilization



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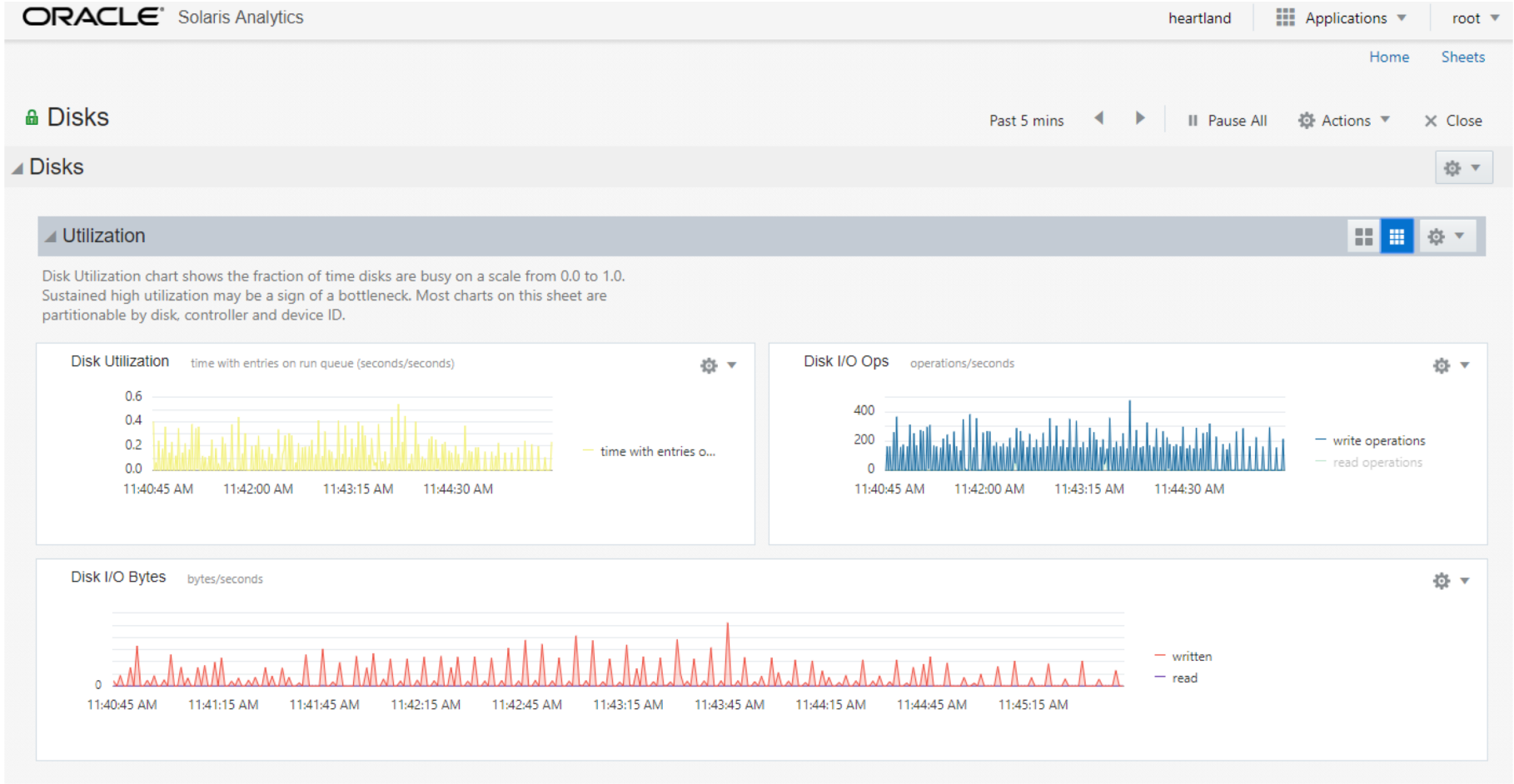
WebUI

svc:/system/webui/server

- Disk Utilization



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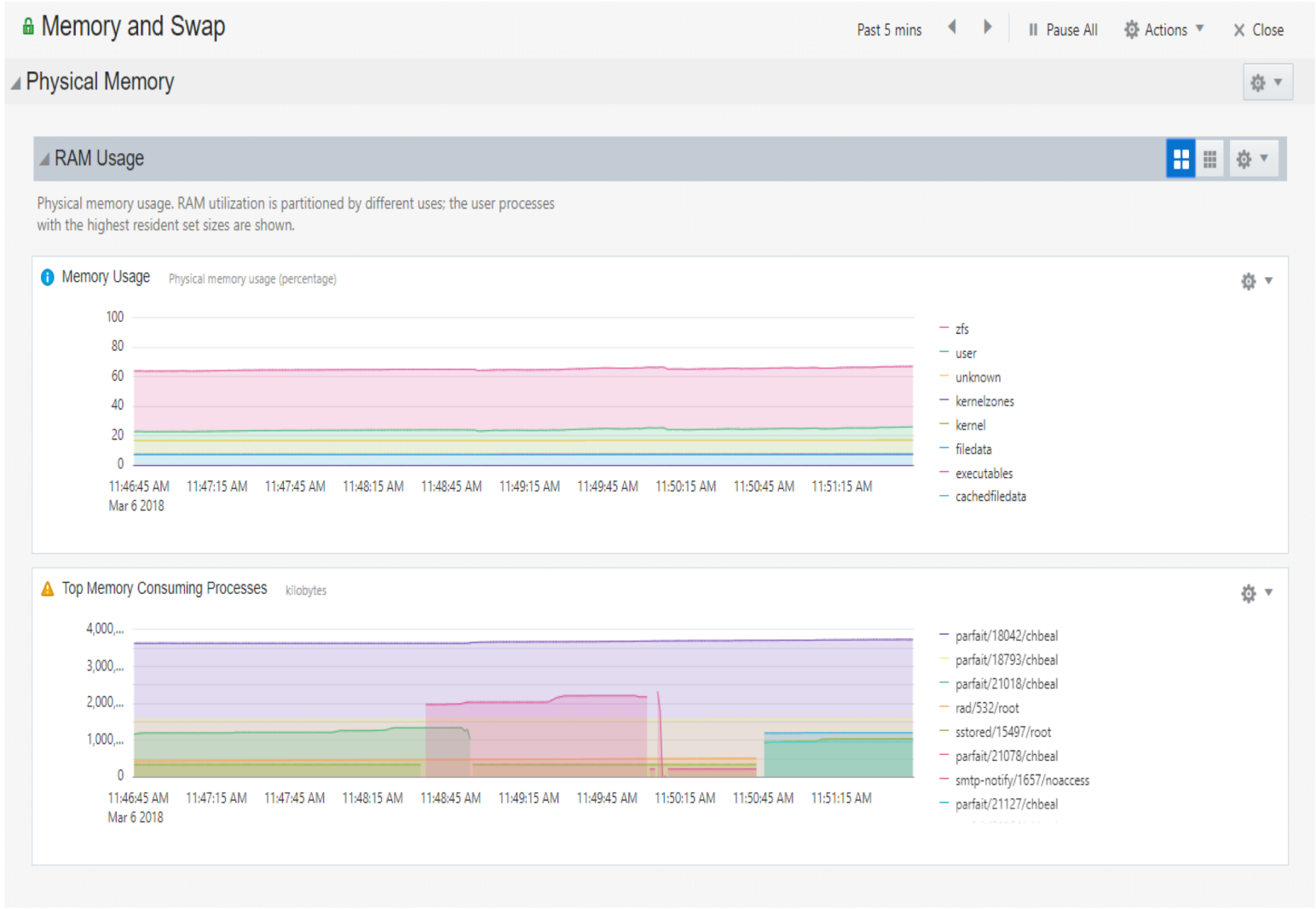
WebUI

svc:/system/webui/server

- Memory Utilization
- Some additional stats are being collected by sstore now



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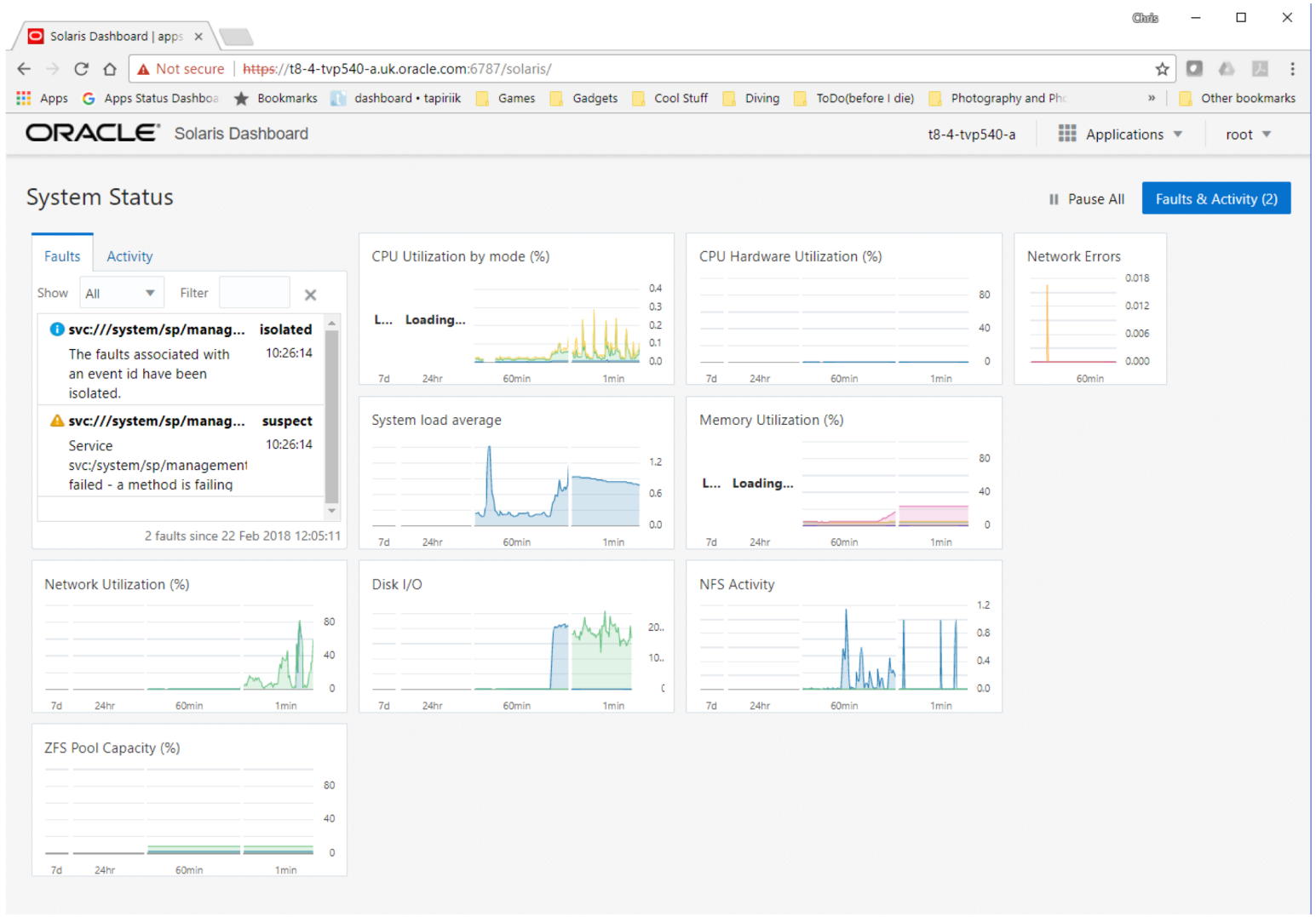
WebUI

svc:/system/webui/server

- FMA faults and defects
- Audit events



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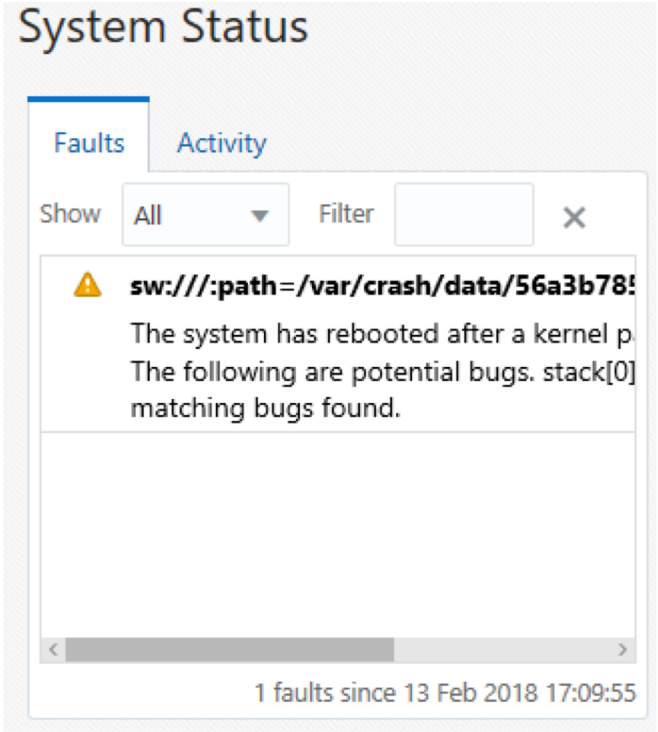

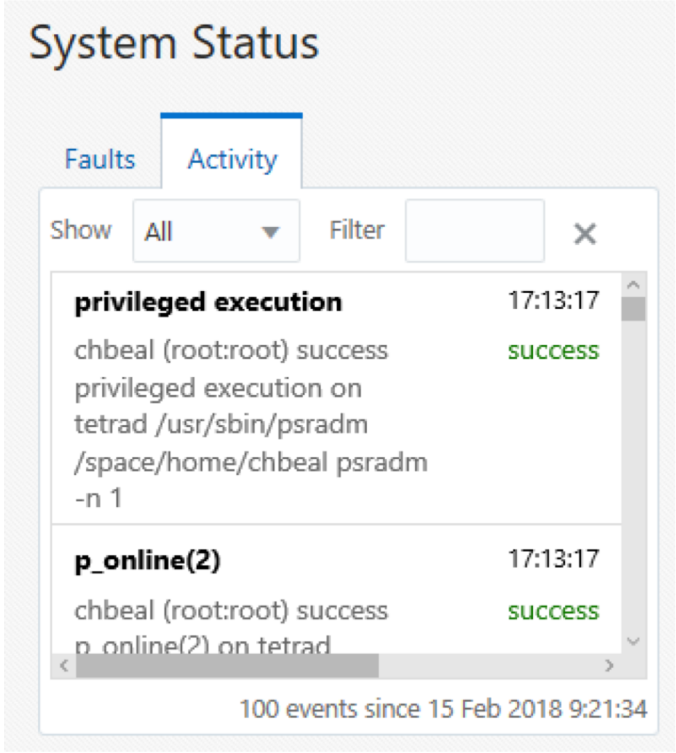

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Demo

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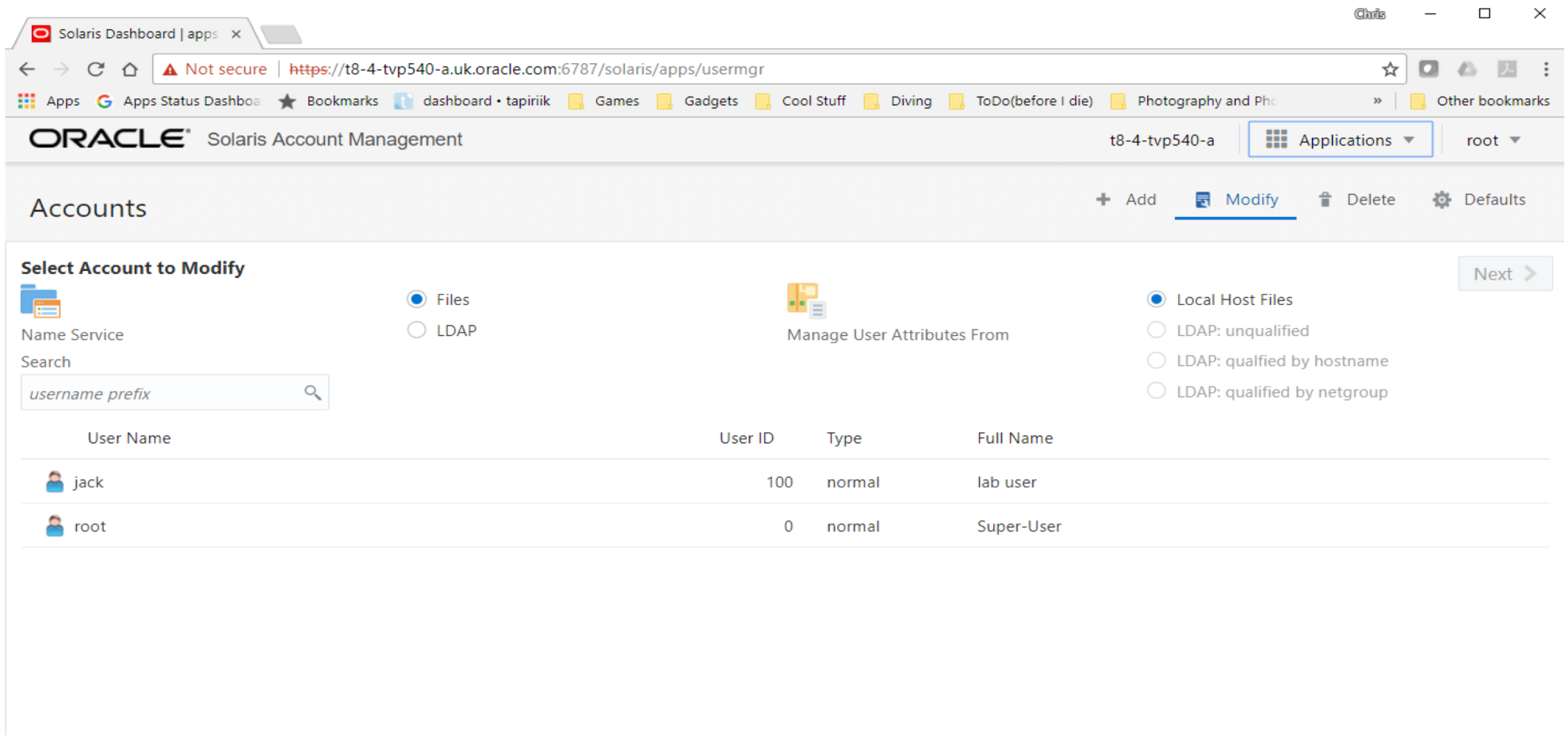
WebUI User Manager

pkg:/system/management/webui/webui-usermgr



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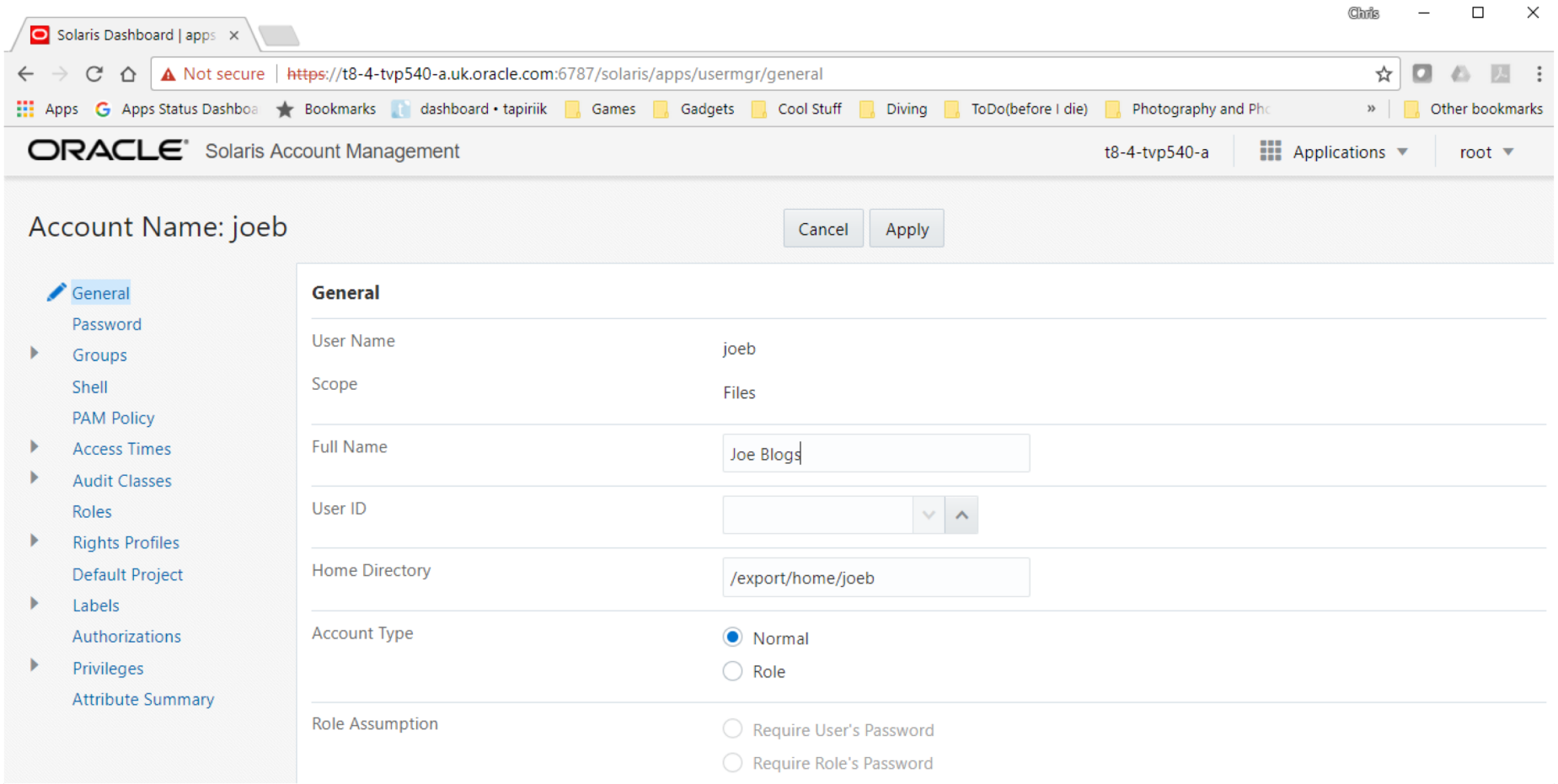
WebUI User Manager

pkg:/system/management/webui/webui-usermgr



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Software Defects and Alerts

- Software failures as well as Hardware
  - Notification of panic and SMF events
  - As we have seen, appear in sstore and in WebUI
- Alerts for less serious events
  - Show up in fmadm list-alert
    - Core dumps
- Automatic matching of known bugs
  - Also shown via fmadm output

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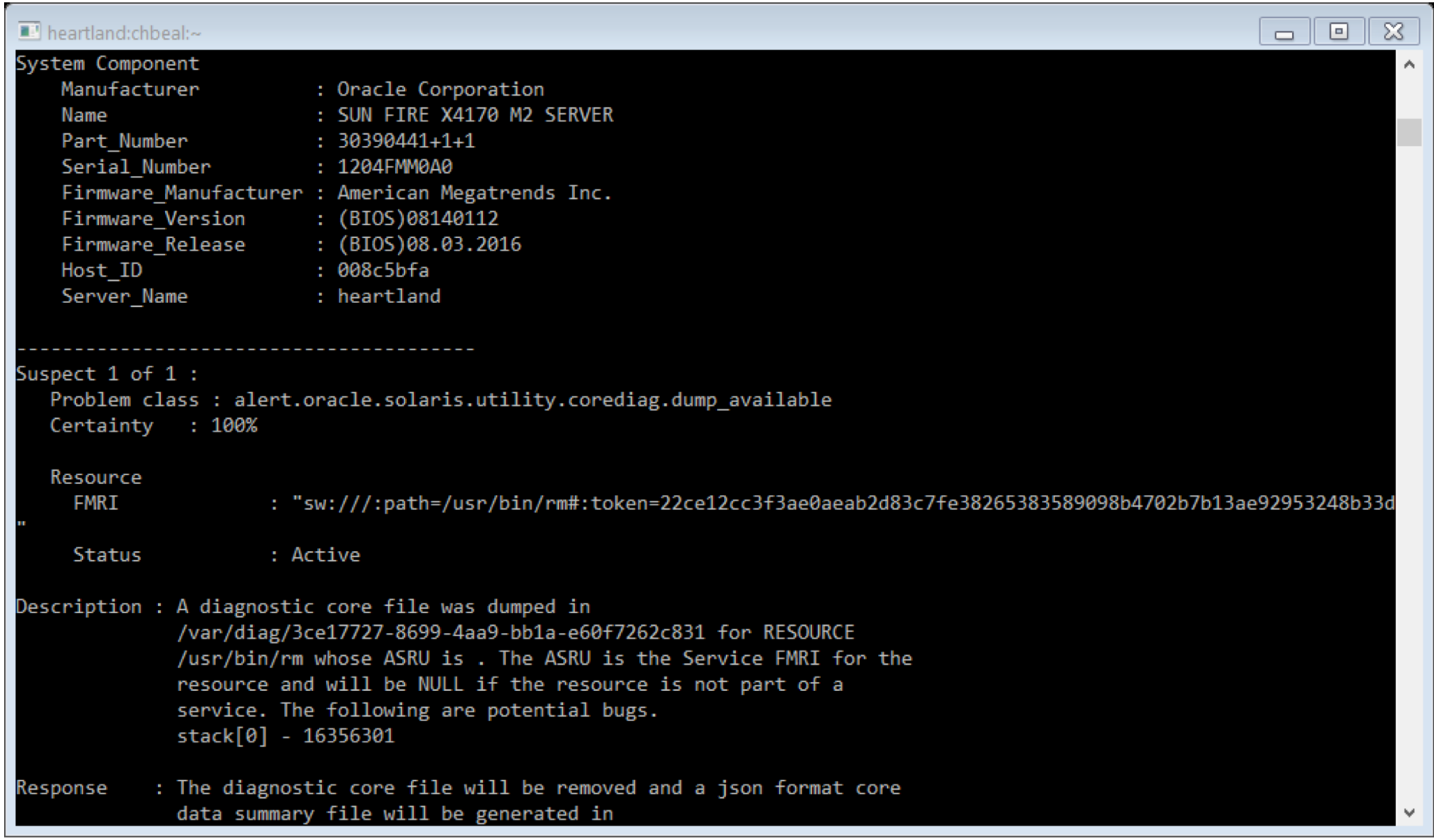
Software Defects and Alerts



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