

Session 47040 Hyperion 41020

Room 708

Preserving System 9 reliability in large distributed environments

Caroline CuvIELlo

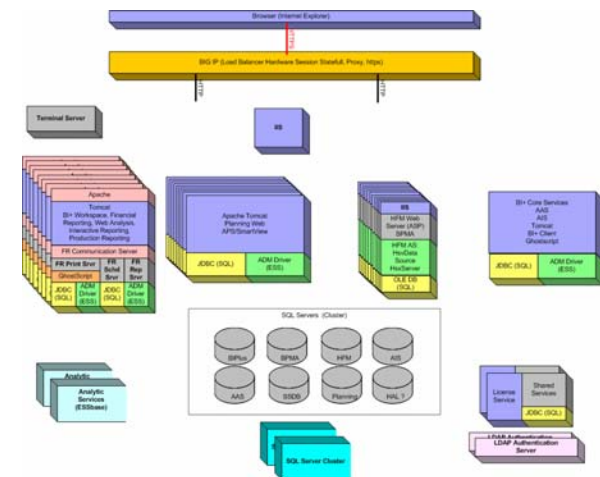
Principal Technical Architect
Network Engineering

Sal Rapacciuolo

Global Director of Financial & Enterprise Management Systems
Liz Claiborne, Inc

Frank Standafer

Application & Database Administrator
Tempur-Pedic



Agenda

- About the speakers
- Challenges
- Available tools
- Solution
- Summery
- Q&A



Please set to silent

Network Engineering



Caroline Cuvillo
Principal Technical Architect

Liz Claiborne, Inc.



Sal Rapacciuolo
Global Director of Financial &
Enterprise Management Systems



Frank Standafer
Application & Database Administrator

The Challenges

*Start
Sys 9*

- Startup
- Troubleshooting
- Downtime Prevention

*Fix
Sys 9*

*Stay
Up*

Startup Challenges

- Locate & access required processes
- Enforce start order dependencies
- Confirm process startup before starting the next process
 - *url availability • url login • SCM • UNIX scripts & script output*
- Eliminate Workspace initialization wait time
- Automatically initiate Planning RMI connection
- Automate entire startup process



TroubleShooting Challenges

- Identify cause of abnormal condition
- Identify & locate failed process(es)
- What happened? - Locate log files



Downtime Prevention

- Monitor all processes for an abnormal condition
- Notify of failed processes
- Recover failed processes and restart dependent processes



Tools

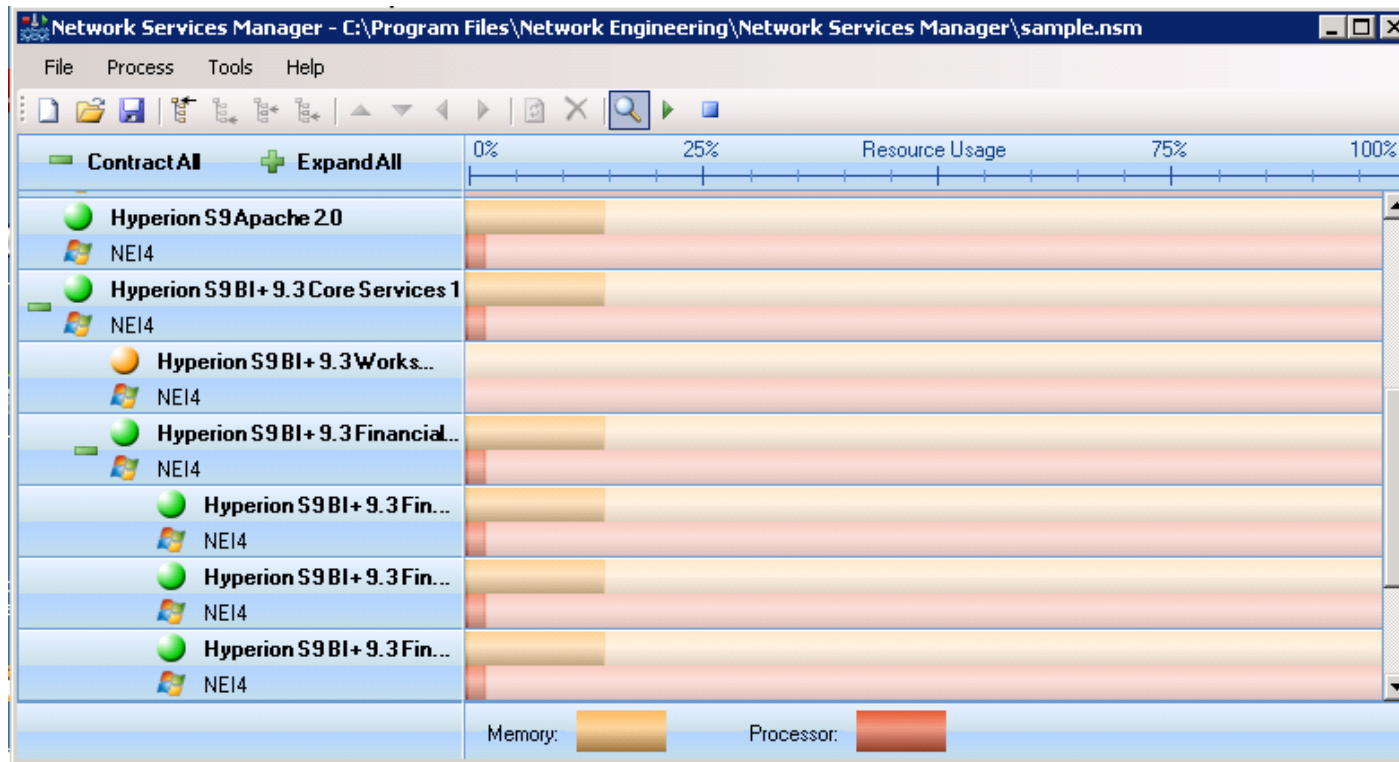
PsTools • Microsoft download

- [PsExec](#) - execute processes remotely
- [PsInfo](#) - list information about a system
- [PsKill](#) - kill processes by name or process ID
- [PsList](#) - list detailed information about processes
- [PsService](#) - view and control services
- [PsShutdown](#) - shuts down and optionally reboots a computer
- [PsSuspend](#) - suspends processes

```
psservice \\ServerHyp104 start "Hyperion SharedServices9 WAS51"  
:CHECKFILE  
if not exist D:\WebSphere\AppServer\logs\SharedServices9\SharedServices9.pid (  
    sleep 10  
    goto CHECKFILE  
)
```


Solution

Network Services Managertm



Liz Claiborne, Inc.

Network Services Manager - D:\Hyperion\Network Services Manager\Liz Claiborne Test.nsm*

File Process Help

Processes

- USANBRHYP02: Hyperion Licensing Service
- USANBRHYP04: Hyperion SharedServices9 OpenLDAP
- USANBRHYP04: Hyperion S9 Shared Services WLS8
- USNYCU20: Essbase Server
- USNYCU20: Essbase Integration Server
- USANBRHYP03: Hyperion S9 AAS aas WLS8
- USANBRHYP02: Hyperion S9 APS aps WLS8
- USANBRHYP02: Pace Application Framework - Server RETLRP
- USANBRHYP02: Pace Application Framework - Server RETBUD
- USNYCU20: BIPlus Core Services
 - USNYCU20: BIPlus Financial Reporting Server
- USANBRHYP04: Hyperion S9 Apache 2.0
- USANBRHYP04: Hyperion S9 BI+ 9.3 Financial Reporting Java RMI Registry
 - USANBRHYP04: Hyperion S9 BI+ 9.3 Financial Reporting Print Server
 - USANBRHYP04: Hyperion S9 BI+ 9.3 Workspace
 - USANBRHYP04: Hyperion S9 BI+ 9.3 Financial Reporting Web application
- USANBRHYP02: HyperionRMIRegistry
- USANBRHYP03: HyperionRMIRegistry
 - USANBRHYP03: Hyperion S9 Planning 9.3.0.1 WLS8
 - USANBRHYP03: Hyperion S9 Performance Scorecard 9.3.0.1.0 WLS8
 - USANBRHYP03: Hyperion S9 HyperionTM WLS8
 - USANBRHYP04: Hyperion S9 BI+ 9.3 Web Analysis

Essbase Server

USNYCU20

Updated: 3/6/2008 7:50:14 AM

[Update Status](#) [Stop](#) [Edit](#)

Checking process: Essbase Server

Services

File Action View Help

Name	Description	Status	Startup Type
HTTP SSL	This servic...	Started	Manual
Hyperion Licensing Service	Hyperion U...	Started	Manual
Hyperion S9 APS aps WLS8		Started	Manual
Hyperion-MySQL-4.0.12	Provides s...	Started	Manual
HyperionRMIRegistry		Started	Manual

Services

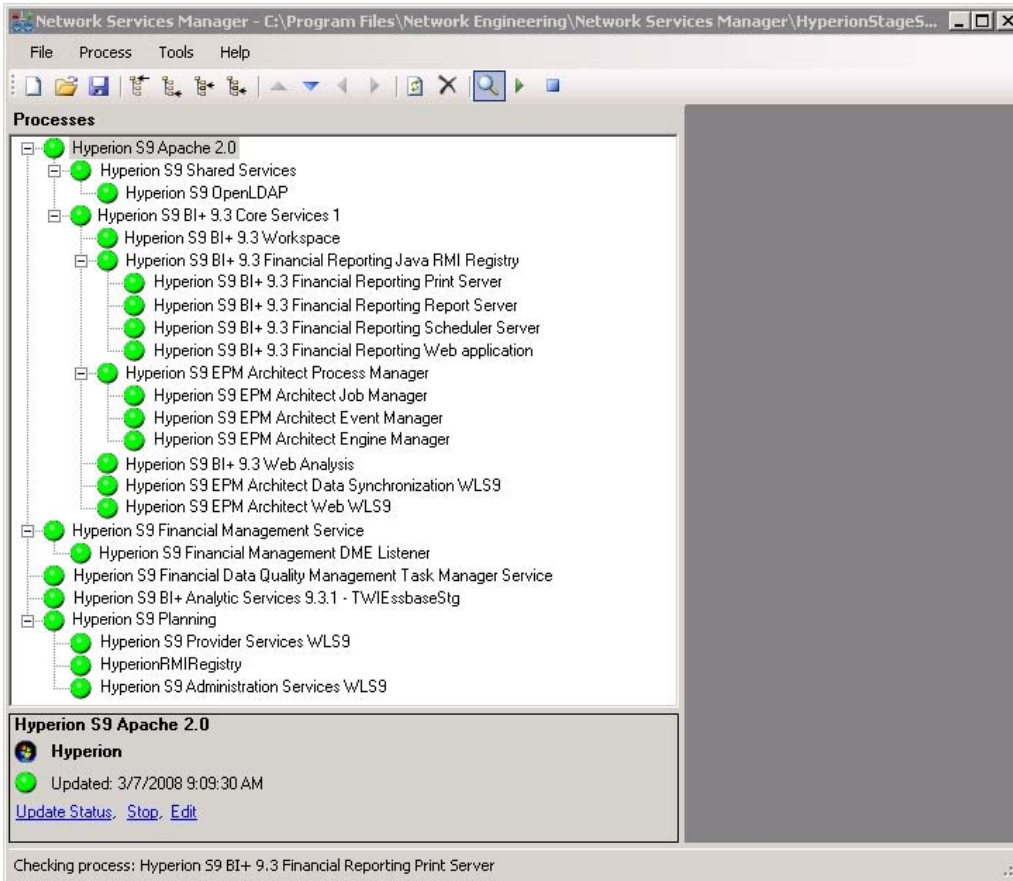
File Action View Help

Name	Description	Status	Startup Ty
HTTP SSL	This servic...	Started	Manual
Hyperion S9 Apache 2.0	Apache/2.0...	Started	Manual
Hyperion S9 BI+ 9.3 Financial Reporting Java RMI Registry	HyS9FRM...	Started	Manual
Hyperion S9 BI+ 9.3 Financial Reporting Print Server	HyS9FRP...	Started	Manual
Hyperion S9 BI+ 9.3 Financial Reporting Web application	HyS9FRW...	Started	Manual
Hyperion S9 BI+ 9.3 Web Analysis	HyS9WebA...	Started	Manual
Hyperion S9 BI+ 9.3 Workspace	HyS9Work...	Started	Manual
Hyperion S9 Shared Services WLS8	Hyperion S...	Started	Manual
Hyperion SharedServices9 OpenLDAP	Provides s...	Started	Manual
IMAPI CD-Burning COM Service	Manages C...	Disabled	Disabled
Taskmon Service	Taskmon s...	Stopped	Disabled

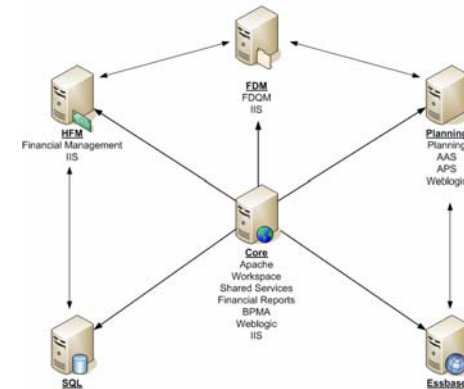
Services

File Action View Help

Name	Description	Status	Startup Ty
HTTP SSL	This servic...	Started	Manual
Hyperion S9 AAS aas WLS8	Hyperion S...	Started	Manual
Hyperion S9 BPMA DataSync WLS8	BPM Archi...	Started	Manual
Hyperion S9 BPMA Web WLS8	BPM Archi...	Started	Manual
Hyperion S9 HyperionTM WLS8		Started	Manual
Hyperion S9 Performance Scorecard 9.3.0.1.0 WLS8		Started	Manual
Hyperion S9 Planning 9.3.0.1 WLS8	Provide ac...	Started	Manual
Hyperion-MySQL-4.0.12	Provides s...	Started	Automatic
HyperionRMIRegistry		Started	Automatic
IMAPI CD-Burning COM Service	Manages C...	Disabled	Disabled
Taskmon Service	Taskmon s...	Stopped	Disabled



Current Configuration



Solution Demonstration

Summary

Startup

- Locate & Access Processes → Centralized control of distributed Processes
- Enforce Start Order Dependencies → Start in order & confirm start before continuing
- Eliminate delays → Auto initialize RMI Connections and cache JVM content

Troubleshooting

- Identify Cause → Monitor all processes for any abnormal state
- Locate Failed process → Centralized graphical dashboard of processes status
- What happened – Locate Log Files → Centralized real-time view of all log files

Downtime Prevention

- Monitor → Centralized monitoring of distributed Processes
- Notify → Admin notification of any abnormal activities
- Recover → Recover failed process and restart all dependent processes

Automate the entire process with Network Services Manager[™]

Contact Info

Sal Rapacciuolo

Phone: (201) 295-7982

Email: Sal.Rapacciuolo@liz.com

Frank Standafer

Phone: (859) 514-4817

Email: frank.standafer@tempurpedic.com

Caroline CuvIELlo

Phone: (630) 922-8193

Email: CCuviello@NetworkEngineering.com

Have a Sparkling Day