Using HP OpenView to manage the HP NonStop Server
Getting Started with OVNM/OVNPM

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December 1, 2006
OpenView Objectives

• How can operators who are not NonStop experts detect problems with NonStop servers?
• How can operators who are not NonStop experts detect performance bottlenecks on NonStop servers?
• How can operators who are not NonStop experts install and configure software that runs on the NonStop server?
Can you answer these questions?

- What is OVNM?
- What is OVNPM?
- How do these products work without other OpenView products?
- How do these products work with other OpenView products?
- How can you try these products before you buy them?
Guiding principles
“Start with the end in mind”

- Management by exception
- User interfaces matter
- Enterprise operators are not NonStop experts
- Installation should be simple
- Configuration and customization should be simple
- Out-of-the-box discovery of the environment
- Online help
- Training is fast
- You don’t have to logon to a TACL prompt
User Interfaces Matter - Simple
User Interfaces Matter - Complex

Please slow down and come to a stop right here. As a community in a democracy we all need to take personal responsibility to ourselves and the community at large to drive safely. It is intended by this sign that when you approach from a distance that you slow down and then halt. Thank you for participating in this community stopping area.
Shopping list – OpenView Products

• NonStop Specific tools
  – OVNM – OpenView Nonstop Server Management
  – OVNPM – OpenView NonStop Performance Management

• Enterprise Tools
  – OVO – OpenView Operations
  – OV Reporter – OpenView Reporter
Event Management
“Start with the end in mind”

• View all EMS events
• Customize event views – multiple views
• View events from one or more NonStop servers even if they are not connected by Expand
• Customize events (severity, text)
• Take action on events (automatic or manual)
• Integrate NonStop events with the events from other platforms
Event Management
“Start with the end in mind”

• OVNM Policy Manager
  – View all events
  – Customize events views
  – View events from one or more NonStop servers even if they are not connected by Expand

• OVNM Object Configuration Client
  – Customize events
  – Take action on events (automatic)

• Integrate NonStop events with the events from other platforms
  – OpenView Operations
  – OVNM Tivoli adapter
Download OVNM and take the OVNM challenge

• Download [http://emo.atc-hp.com/onvm](http://emo.atc-hp.com/onvm)
• Install and configure OVNM
• Monitor a NonStop system “by exception”
• Configure an alert
• Send an alert to an event browser, mail box or cell phone
Install and Configure OVNM

- Download trial version
  - [http://emo.atc-hp.com/ovnm](http://emo.atc-hp.com/ovnm)
- Use the Host Installation Client to install the product and
- Use the Host Management Client to start the agents, generate test management, get policy report
- Run with defaults
- Use the Policy Manager Interface to view the NonStop alerts
- Use the Object Configuration Client to customize and integrate with existing apps
- Integrate with OpenView Operations (supports OVO Windows and Unix) and view alerts
Performance Management “Start with the end in mind”

- Identify bottlenecks by looking at the busiest resources
- Identify transient and resource intensive processes
- Drill down for more information
- Go back in time
- Produce historical reports
Performance Management “Start with the end in mind”

• Service Navigator View (Web-based)
  – Identify bottlenecks by looking at the busiest resources
  – Identify transient and resource intensive processes
  – Drill down for more information

• Display Agent View (GUI)
  – Go back in time
  – Produce historical reports

• OpenView Reporter
  – Produce historical reports
Download OVNPM and take the OVNPM challenge

• Download http://emo.atc-hp.com/ovnm
• Install and configure OVNPM
• See if a NonStop server has any performance bottlenecks, identify busiest processors, busy processes, and busy disks
Install and configure OVNPM

- Download trial version
  - [http://emo.atc-hp.com/ovnm](http://emo.atc-hp.com/ovnm)
- Install Server Agent
- Run Service Navigator for real time reporting
- Run Display Agent with out of the box reporting
- Customize the display agent reporting
- Customize the data collection files on the host
- Integrate with OVO Reporter
Conclusion

• Using OVNM/OVNPM, non-experienced NonStop users can
  – integrate the NonStop Server into the rest of the enterprise
  – move out of the “glass house” to manage systems remotely
  – detect NonStop application and infrastructure problems
  – find NonStop performance bottlenecks
  – Use the OVNM/OVNPM interfaces or integrate alerts with any enterprise management event viewer including OVO
For more information

• Arrange for remote demos with HP Virtual Classroom by asking your HP NonStop representative to send me an email ted.schachter@hp.com

• http://emo.atc-hp.com/ovnm

• http://www.openview.com
Additional slides

OVNM/OVNPM
OVNM Environment with OVO

OVNM Subsystem

NonStop

Windows

OVNM Host Management Client
OVNM Policy Manager
Object Configuration Client

Windows

HP-UX Solaris

OVO

Windows
OVNM Environment without OVO

OVNM Host
Management Client

OVNM Policy
Manager

Object
Configuration
Client

NonStop

OVNM Subsystem

ELINK

Windows

OVNPM Order: HV01v4 or HOV01v4
Bundle With OVNPM: OV03v2 or HOV03v2
OVNM User Interfaces

- OVNM Host Installation Client
- OVNM Host Management Client
- OVNM Policy Manager interface
- OVNM Object Configuration Client
- OVO service navigator
- OVO event browser
- Product runs with or without OpenView Operations (OVO) for ease of implementation
OVNPM with OV Reporter

OVNPM Subsystem

NonStop

Web-Based Navigator

Display Agent

OVNPM Host Management Client

OVNPM Host Installation Client

Reporter Agent

Reporter
OVNPM without OV Reporter

OVNPM Host
Management Client

Web-Based Navigator

Display Agent

OVNPM Host
Installation Client

OVNPM Subsystem

NonStop

Windows

OVNPM Order: HV02v1 or HOV02v1
Bundle With OVNM: OV03v2 or HOV03v2
OVNPM User interfaces

- OVNPM Host Installation Client
- OVNPM Host Management Client
- OVNPM Service Navigator
- OVNPM Display Agent

- OpenView Reporter
OVO Console User Interfaces

- Service View – Visualizes events
- Event Browser – Standardizes events
  - Event Instructions
  - Annotations
  - Automated and Operator-Initiated Commands
- Event Policies
- Tools for Command and Control