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ORACLE VM

ORACLE

Oracle VM 3 Resource Management

Presenter's Name
Presenter's Title

ORACLE PARTNERNETWORK

Specialized. Recognized by Oracle.
Preferred by Customers.

Resource Management Configuration:
DRS, DPM, IPMI (oh my!)

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Policies

- Available under the Policies tab of a Server Pool
- Policy Control Options
  - Off
  - Distributed Resource Schedule
  - Distributed Power Management
- Oracle VM Server samples performance metrics
  - Defaults to 10 minute intervals

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Policies

- Policy in effect for a single server pool
  - Can choose which servers participate
  - Only one policy type per server pool can be used at a time

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Distributed Resource Scheduler

- Provides real-time monitoring of Oracle VM servers
- Goal: Evenly distribute CPU and/or network load
- Thresholds
  - CPU %
  - Network %
  - User-defined
- Uses live migration to rebalance VMs

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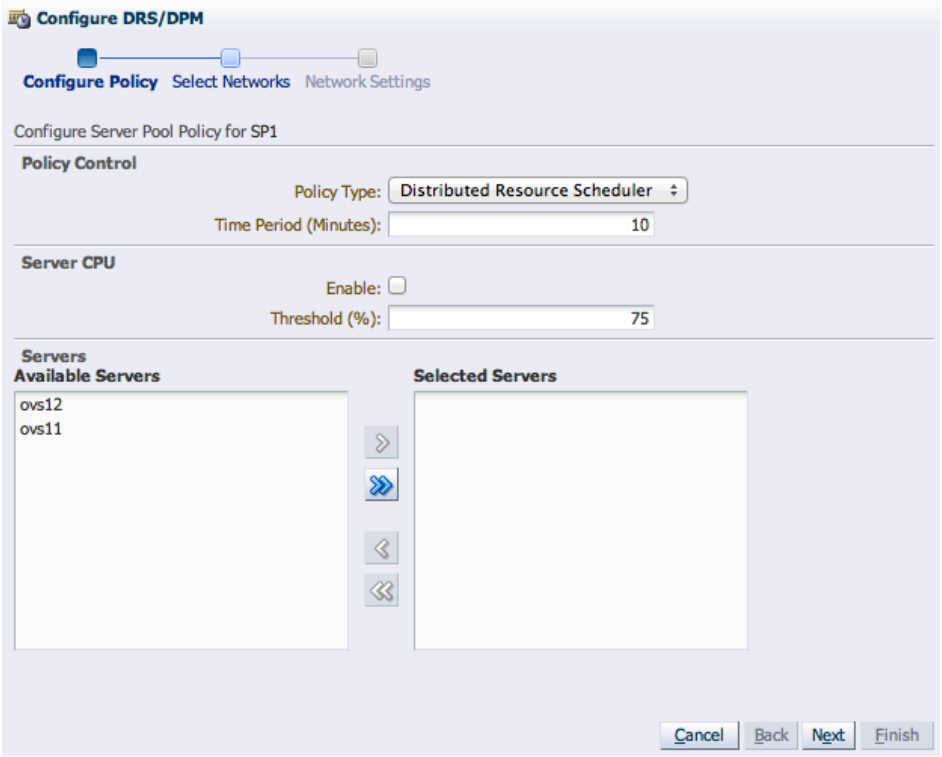
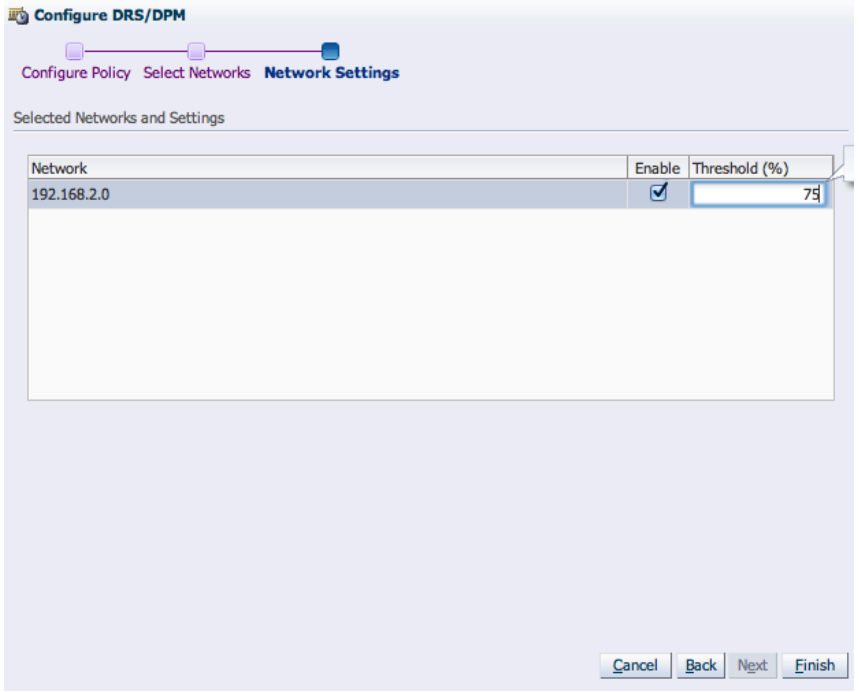
Distributed Resource Scheduler





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Distributed Power Management

- Provides real-time monitoring of Oracle VM servers
- Goal: Maximize server load, reduce power costs
- Thresholds
  - CPU %
  - Network %
  - User-defined
- Uses live migration to rebalance VMs
- Uses IPMI to shutdown servers
- Uses wake on lan to power-up servers

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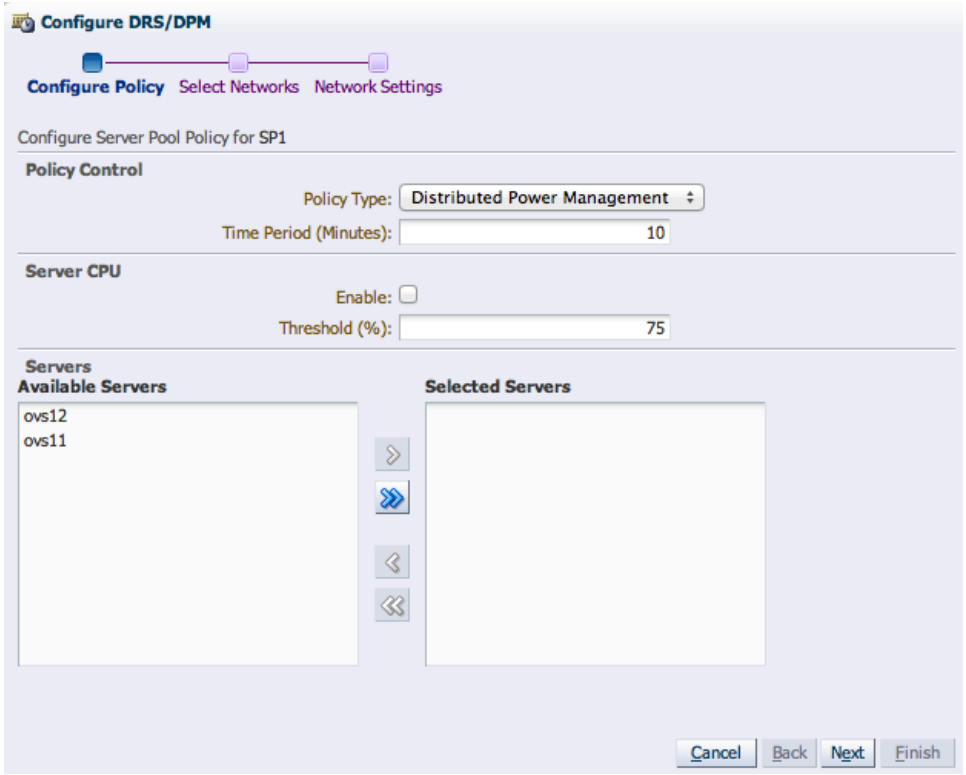
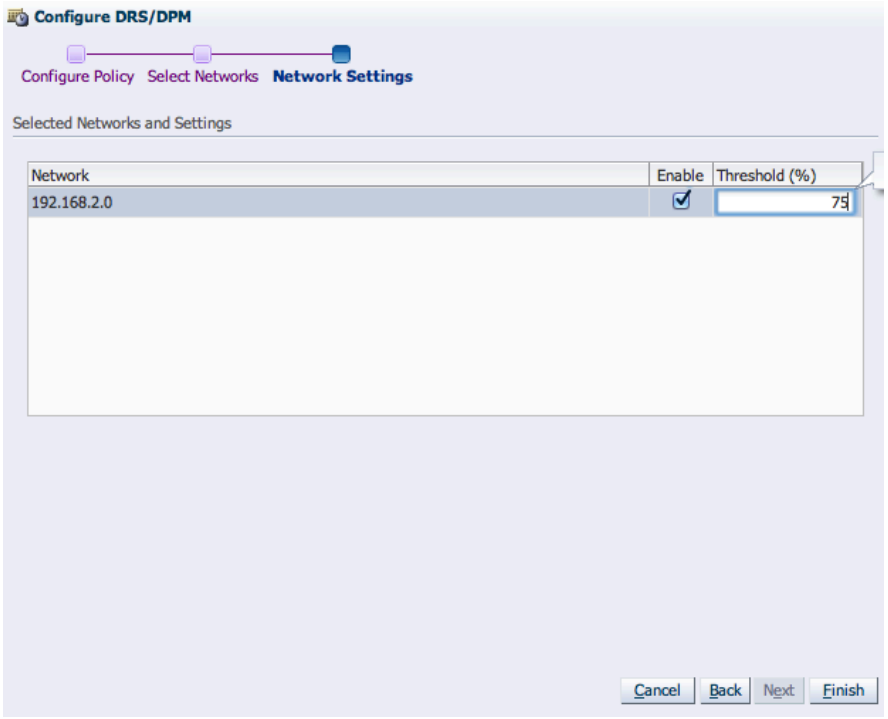
Distributed Power Management





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IPMI

- Intelligent Platform Management Interface
  - HP iLO
  - Dell DRAC
- Allows Oracle VM to remotely power off/on servers
  - DPM Policy
  - Oracle VM Manager
    - Power off/on servers
- Always test configuration!

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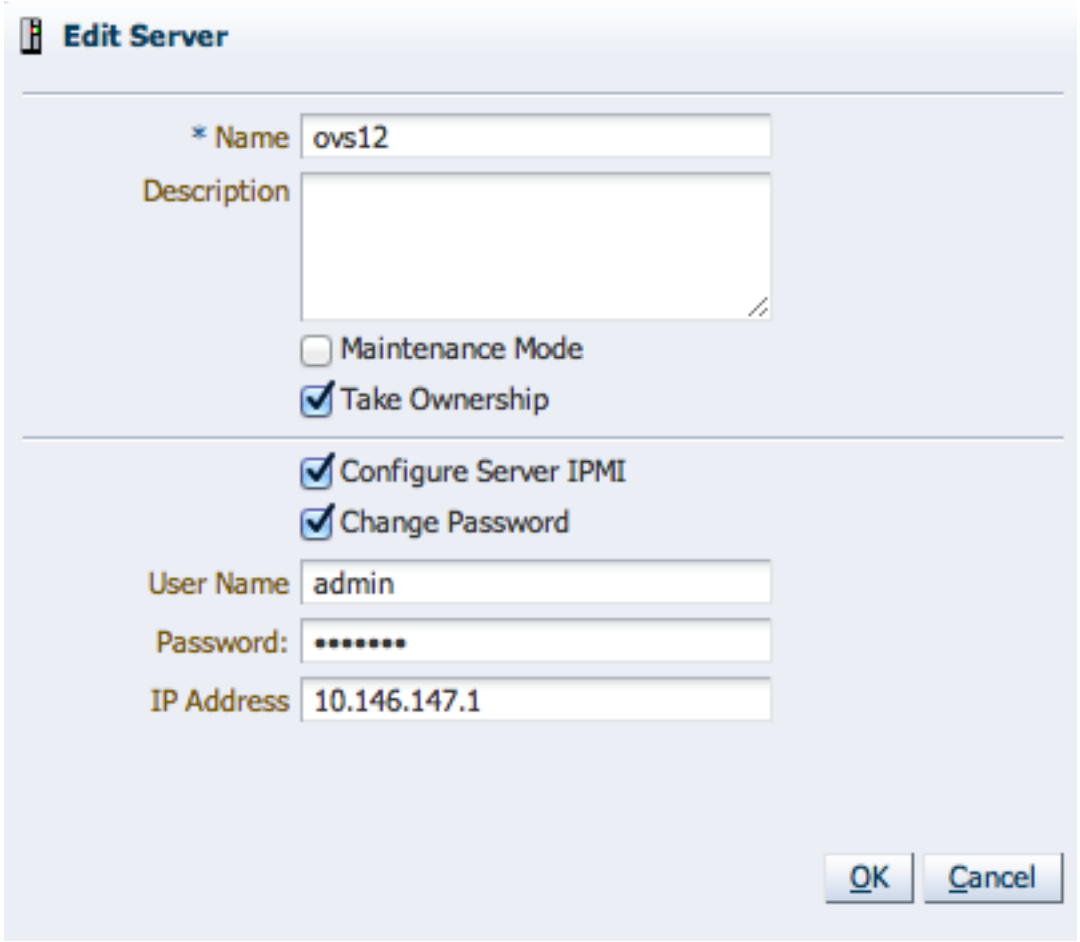
IPMI



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Hardware and Software

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Engineered to Work Together

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