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Managed PI Software Update Services

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Outline

- Managed PI
- Design goals & scope
- Process diagrams
  - Management subsystem
  - Update services
  - SMT3 plug-in
- Installation
- Demonstration

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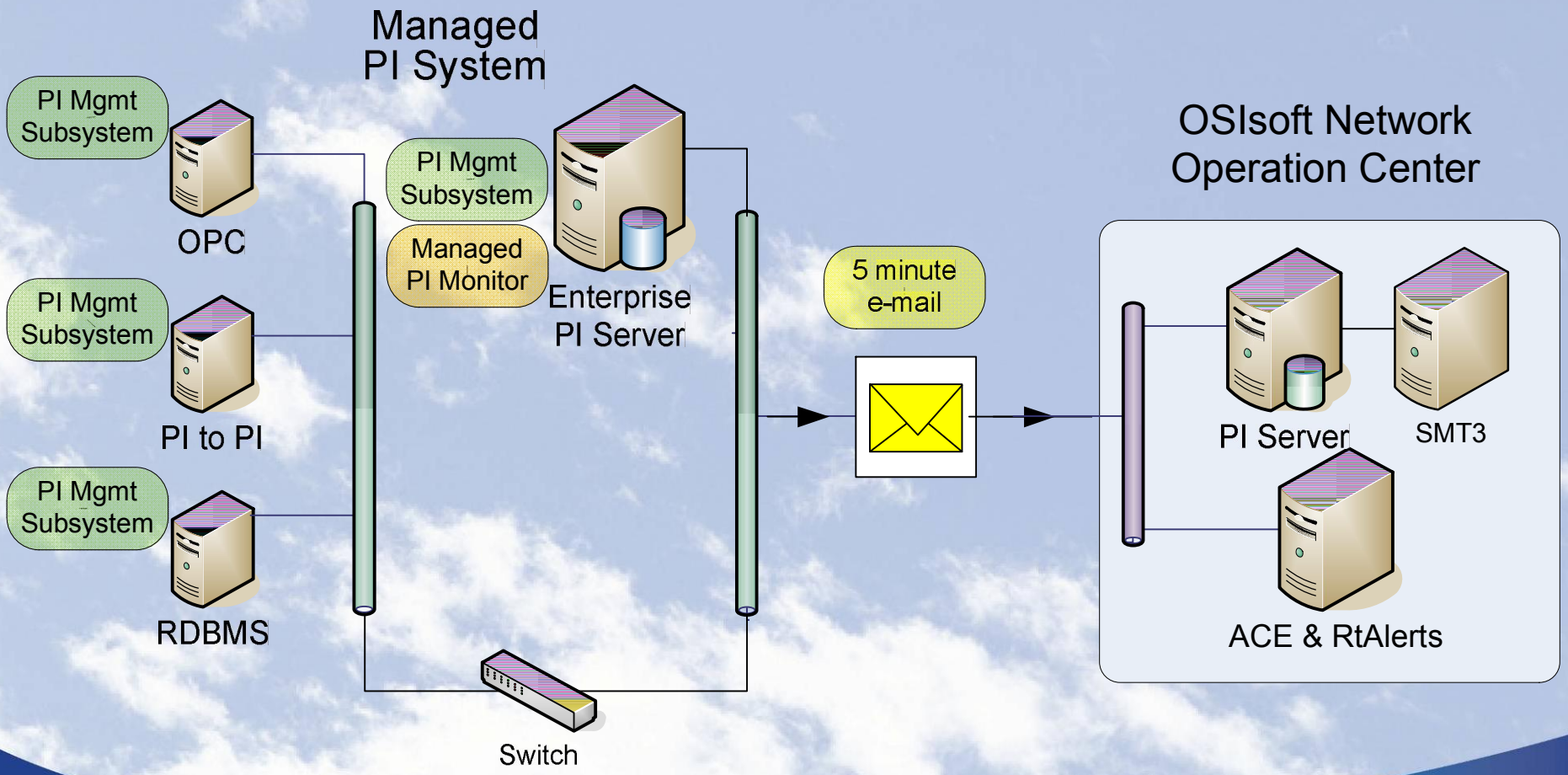
The Managed PI Process



Design Goals

- Software version control for Managed PI
  - Scalable
  - Versatile
  - Automated and interactive
  - Capable of rollback

Development Scope

- Version 1.0
  - PI Interfaces
  - Management subsystem
  - Managed PI Monitor
- Version 1.1
  - HA Servers

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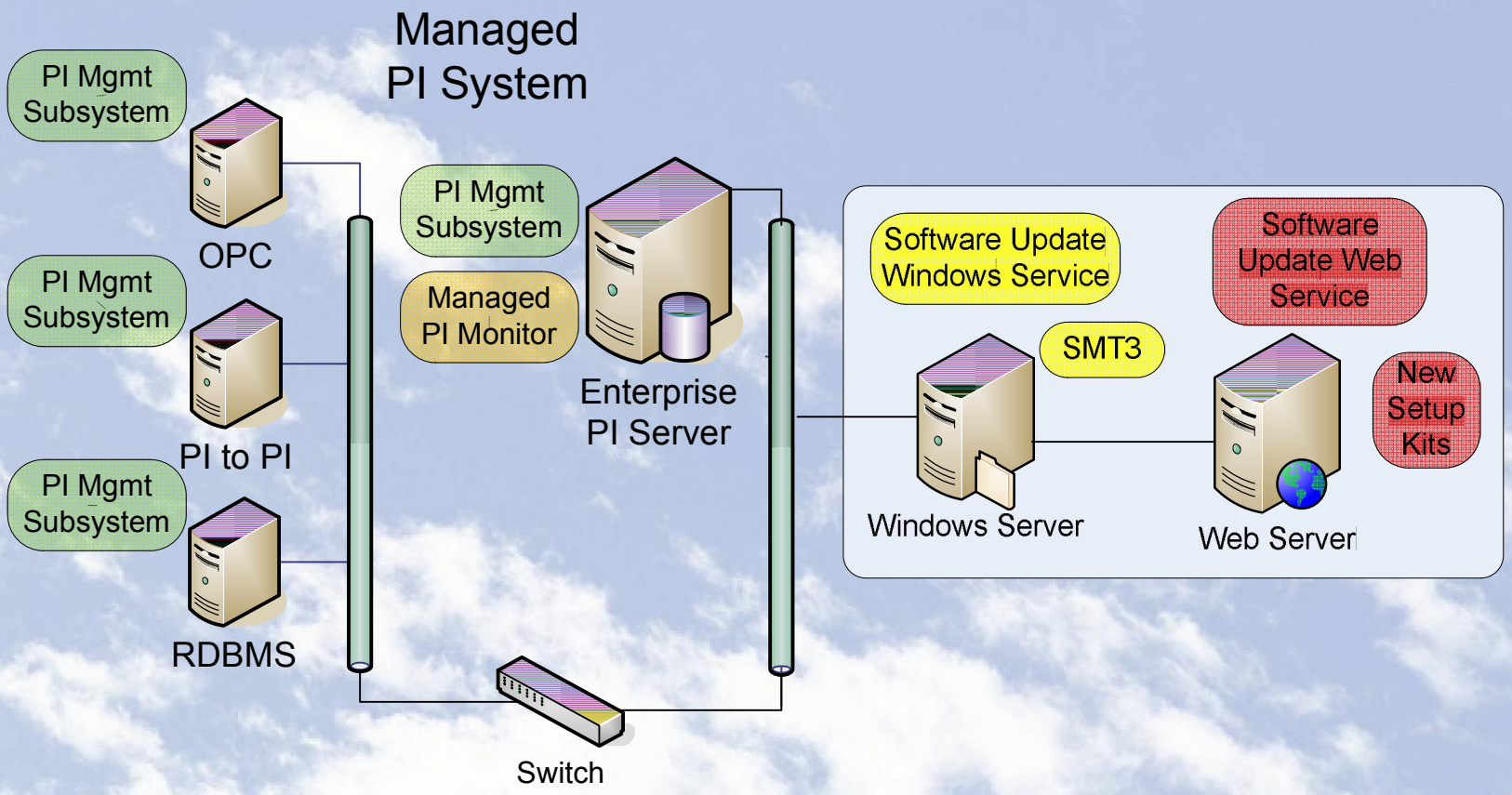
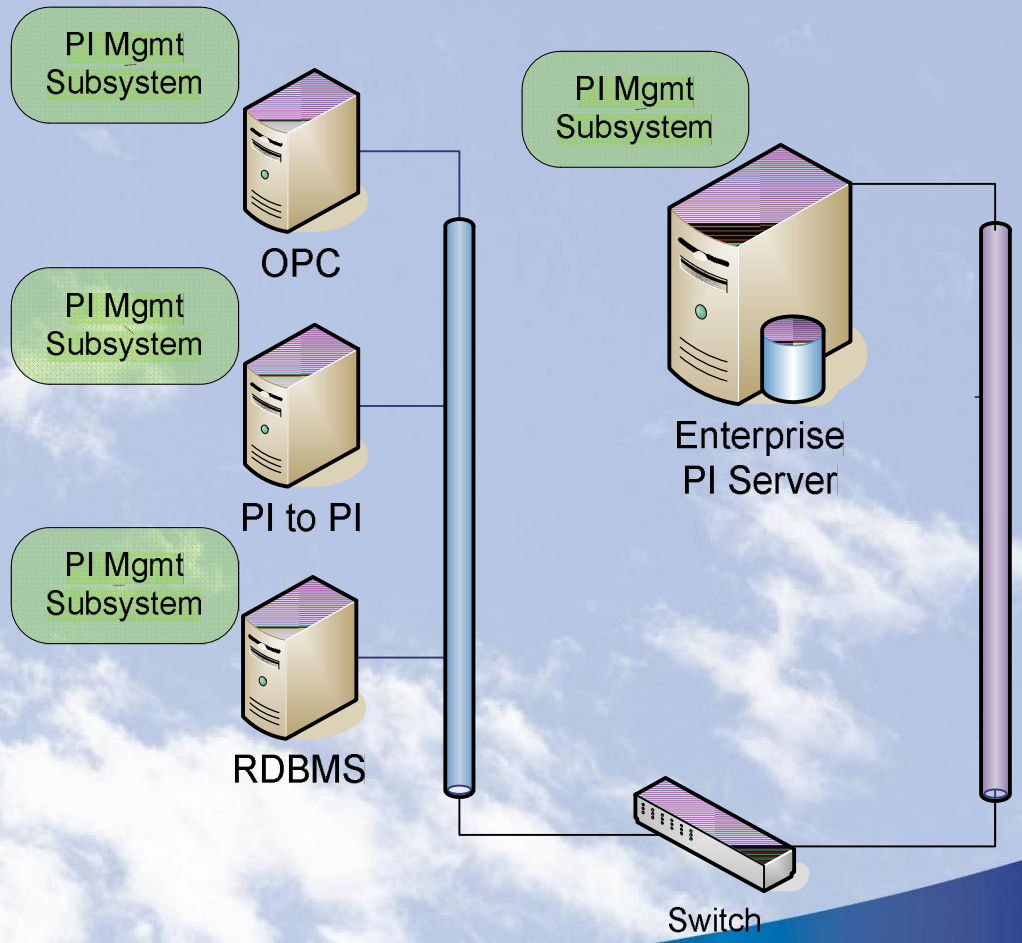
Software Update Services



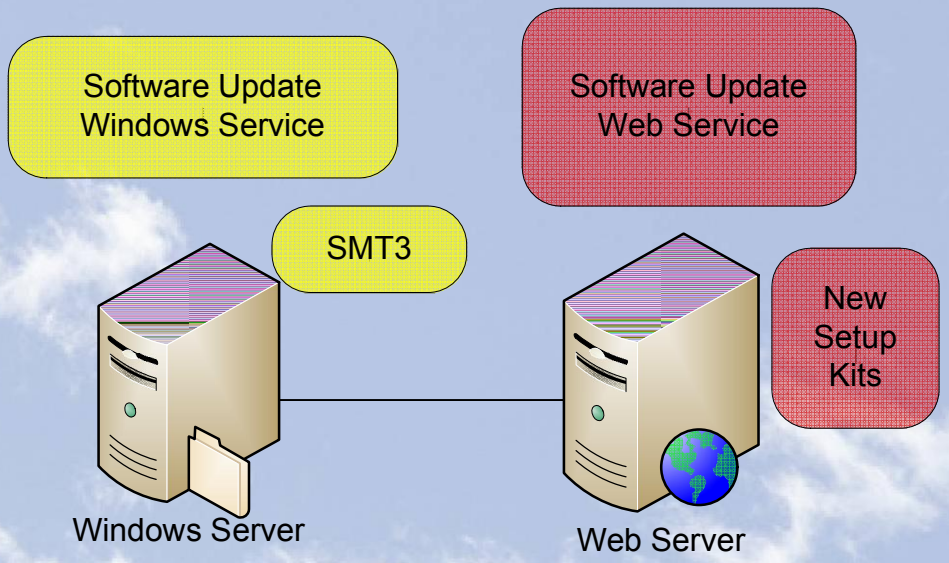
Management Subsystem

- Control PI services
- Transfer files
- Run setup.exe
- Perform self-update



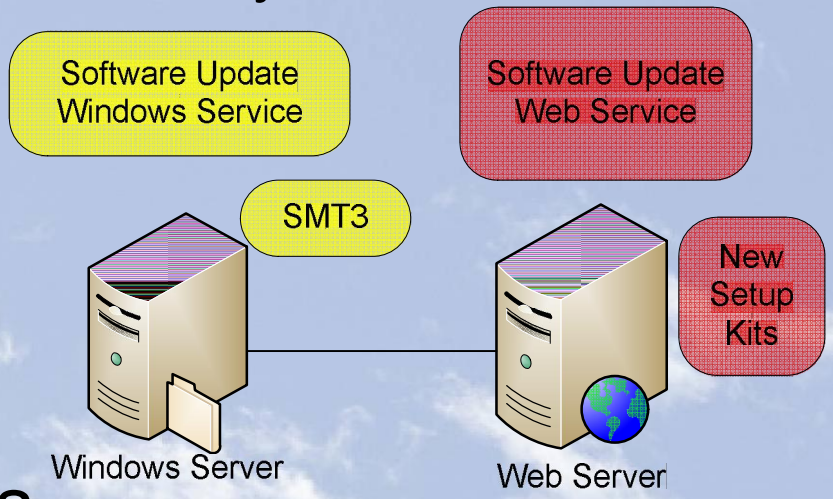
Software Update Services

- Windows service
  - Discovery
  - Scan inventory
  - Query web service
  - Perform update
- Web service
  - Answer query
  - Provide background download

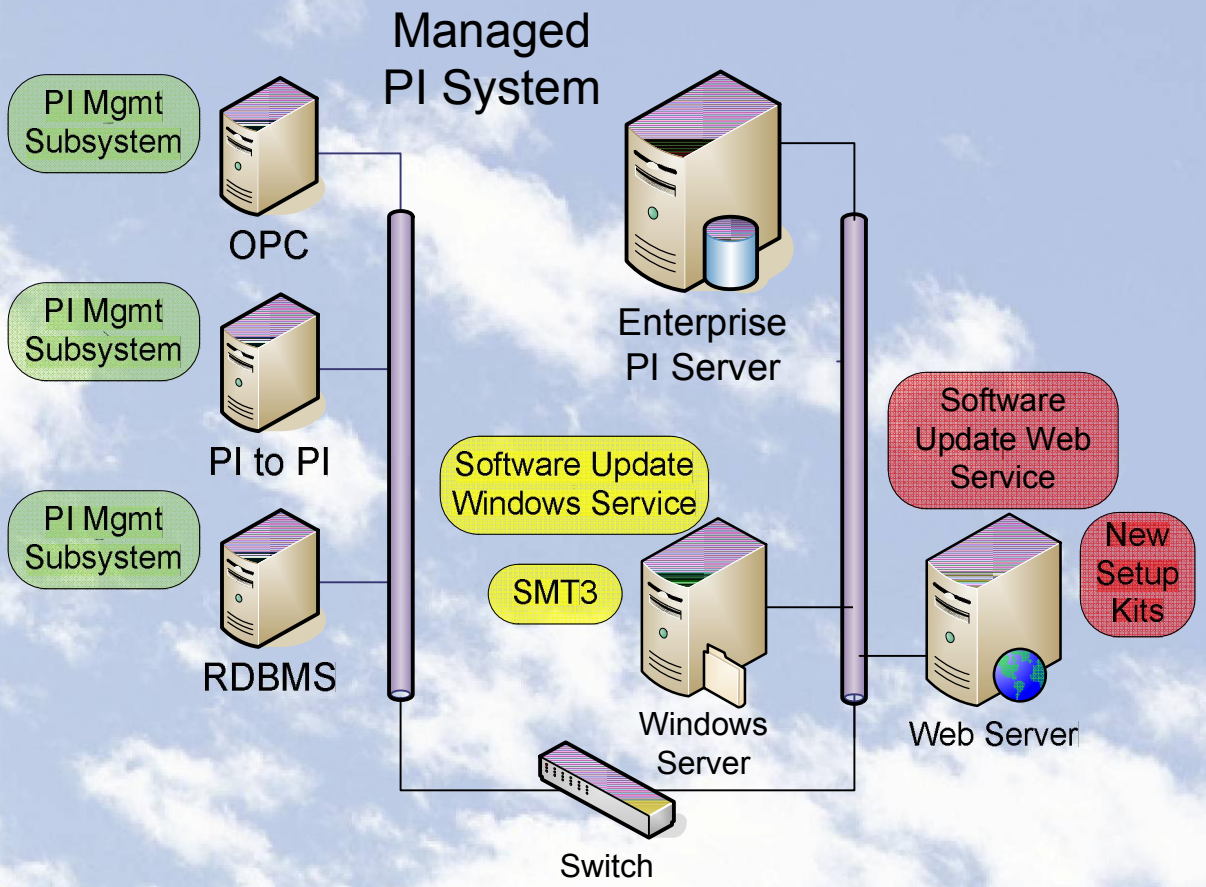


SMT3 Plug-in

- Control Update Windows service
  - Assign Web service address & directory
  - Schedule update scans
  - Exclude servers
  - Hide products
- View product inventory
- Perform interactive updates



The Software Update Process



1. Discovery
2. Inventory
3. Web Query
4. Web download
5. PI Mgmt file transfer
6. Run setup.exe
7. Restart interface

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Web Server

- Windows 2003 Server
- IIS 6.0
- Special setup kits
  - Digitally signed
  - XML file (for rollback)
  - Distributed by Managed PI team
- Directories for upgrade & rollback kits

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Installation

- Basic questions
  - Where do I put the update servers?
  - How many do I need?
- Network considerations
  - Windows service needs SDK & web access
  - Reliable SDK connection
  - Forgiving web transfer
- Control of updates

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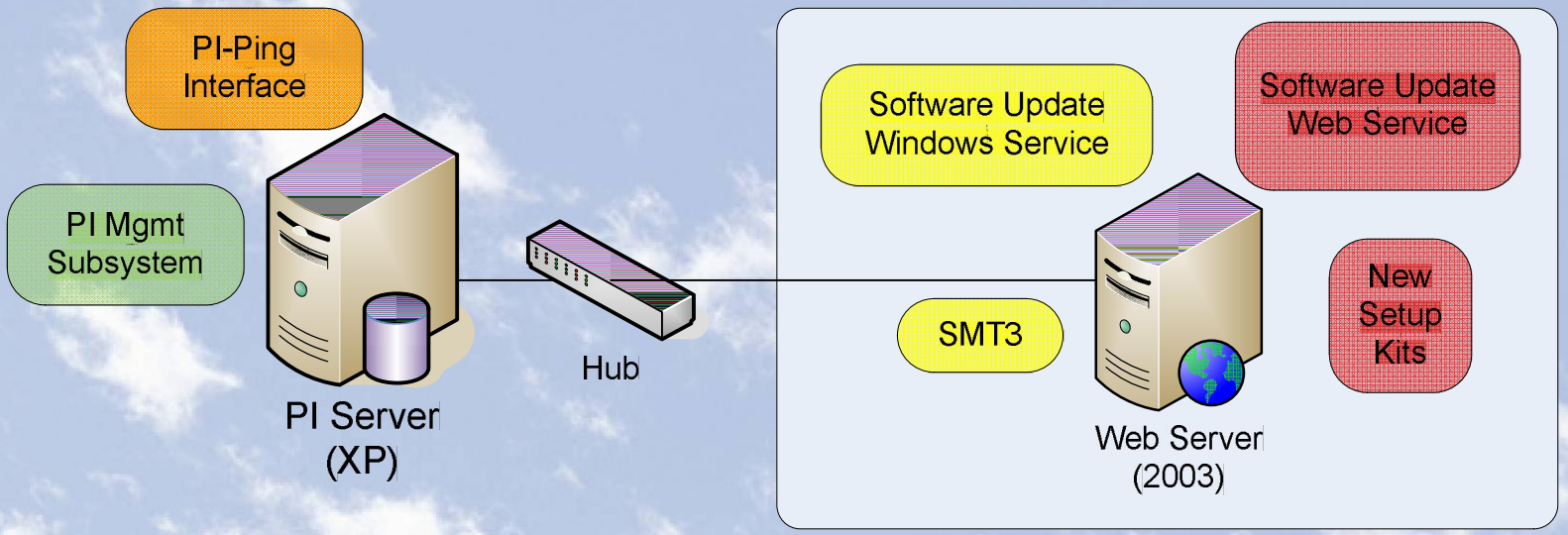
Demonstration



Summary

- Managed PI
- Update Service Components
  - Management Subsystem
  - Update Windows Service
  - Update Web Service
  - SMT3 plug-in
- Installation

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Thank You

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