Successful Novell GroupWise® Clustering, Part 1

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Introduction, Presentation Outline

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Introduction, Speakers

Gregg A. Hinchman

- Collaboration Practice Manager, Tenacious Integration Services
- 10+ years of GroupWise Experience
- 4 years of GroupWise clustering Experience
- Co-Author:
  - "Success with Clustering GroupWise"
    - www.TayKratzer.com
  - "Success with GroupWise Document Management"
  - GroupWise Advisor Magazine Articles

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Introduction, Speakers

Ed Hanley

- Senior Consultant, Novell Inc.
- 13+ years of GroupWise Experience
- 5 years of GroupWise clustering Experience
- Contributing technical Author:
  - “Success with Clustering GroupWise”
  - “Novell's GroupWise 6.5 Administrator's Guide”
  - “Novell's Guide to SANs and Cluster Services”

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Introduction, Presentation Business

Topic

- We will discuss clustering and the planning for placing GroupWise in a clustered environment.

Format

- Planning (Part 1) TUT236,
- Implementation (Part 2) TUT237

Questions

- Please hold until 'Question Breaks'

Knowledge:

- Clustering Principles
- Advanced GroupWise 6.5
- NetWare® 6.5

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Clustering Knowledge Transfer,
Clustering Theories

Who is Clustering?

Hospitals, Financial Institutions, School Districts

What are 'they' clustering?

Data, GroupWise, Printing

Where are 'they' clustering?

Main data centers, Redundant sites

When are 'they' clustering?

Now and for the past 3 years

Why are 'they' clustering?

Consolidating Data centers, Decrease Administration, 99.999% (5 9's of uptime)

How are 'they' clustering?

Consultants mostly, Internal Resources are too over tasked

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Clustering Knowledge Transfer,
Clustering Terms

Define

- Cluster -A group of servers and a SAN
- Node -A server in a cluster
- LUN's -Logical Unit Number (Disk Space on a SAN)
- Cluster Resource -A 'special' NSS Pool (Virtual Server)

Cluster Tools

- ConsoleOne® -1.3.6 with NCS 1.7 snap-ins
- NetWare Remote Manager (NRM) -A nodes view
- iManager -The new Tool in town

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Questions?

Planning for GroupWise,
Our Customer and their GroupWise System

The Demo Company

- 4 Domains
  - PMDOM, PODOM, WADOM, IADOM
- 2 Post Offices
  - EMAILPO, DMSPO
- 1 WebAccess Agent
  - WA
- 1 Internet Agent
  - GWIA

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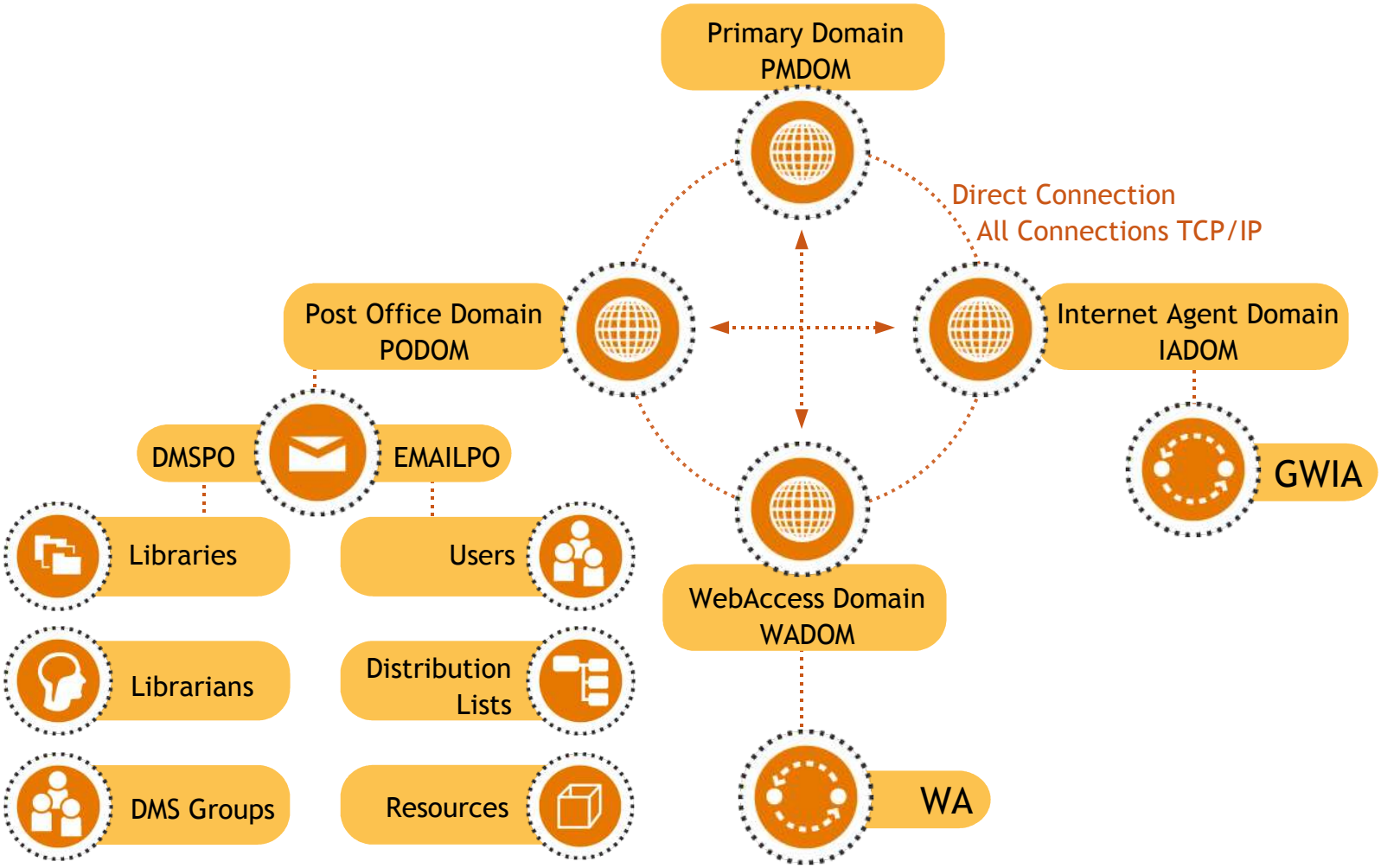
Planning for GroupWise,
Our Customer and their GroupWise System



Planning for GroupWise,
Design Matrix

What is the “GroupWise Design Matrix”?

Why do I want to create one?

When do I create one?

What information must be in one?

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Planning for GroupWise,
Domain and MTA

What information must I have for the Domain and MTA?

- Naming and Numbering Standards
- Cluster Resource Names
- Volume Names
- Directory Paths
- IP Addresses
- Ports
  - MTP
  - HTTP

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Planning for GroupWise,
Post Office and POA

What information must I have for the Post Office and POA?

- Cluster Resource Name
- Volume Name
- Directory Path
- IP Address
- Ports
  - C/S
  - /IP
  - MTPINPORT and MTPOUTPORT
  - HTTP

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Questions?

Planning for GroupWise,
WebAccess Agent and Application

What information must I have for the WebAccess Agent and Application?

- Cluster Resource Name
- Volume Name
- Directory Path
- IP Address
- Port
  - HTTP

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Planning for GroupWise, GWIA

What information must I have for the Internet Agent?

- Cluster Resource Name
- Volume Name
- Directory Path
- IP Address
- Port
  - HTTP

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Planning for GroupWise,
Failover Design

What is Failover and How do I design it?

- Number of Nodes
- Acceptable Degradation of GroupWise Services
- Too much failover

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Summary

Knowledge:

- ATT Clustering Class
- Clustering Book -www.TayKratzer.com
- Consulting -Fast Track

Planning:

- Hardware
- GroupWise Design Matrix
- IP Addresses, Ports, etc.
- Failover

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The End

Questions?

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