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Learning more about clustering WebSphere Process Server (WP

Troubleshooting

Problem

Learning more about clustering WebSphere Process Server can help you in the troublesh
information to help you learn more about this topic.

Resolving The Problem

Learn more	Troubleshoot	Collect dat

11.10

Clusters are sets of managed servers that provide high availability and workload balancing for ap
multiple physical systems and platforms. Clustered servers provide better capacity and availabili
environment:

- *Workload balancing* by running an application on multiple servers that are managed by a clu
  servers in the cluster.

- *Extensibility and flexibility* are guaranteed by adding more processing power (hardware) to t
  dynamically.

-

Contact and feedback

11.10

High availability through failover and recovery support. Outages on one server are compens
handle the workload and proceed without interruption in service.

- *Maintenance* is simplified because you can stop specific cluster members. You do not have t

Starting with WebSphere Process Server V6.1, you can benefit from *deployment environments: /*
environment topology (including WebSphere Process Server components) and manages related s
environment enhances the cluster capabilities:

- *Ease of management* by using common views, which allow the system administrator to man
Component Architecture (SCA) modules, processes, and server instances.

- *Reusability* as you can export and import a tested and reliable deployment environment to be
environment with the same configuration.

- *Simplicity and rapid deployment* are supported by a wide range of wizards that guide
deployment patterns. The system administrator can concentrate on the architectural a
minimized during the setup phase. Approved deployment environments can be custo
predefined:

- Single Cluster (bronze topology)

- Remote Messaging (silver topology)

- Remote Messaging and Remote Support (golden topology)

→ Getting started

→ Planning your deployment topology

→ Setting up a clustered environment

→ Business integration with WebSphere Portal

Getting started

Review the following information resources for a basic understanding of clustering or for additio

- Refer to the WebSphere Process Server product documentation to understand the component deployment environment. The product documentation includes information about architectu configurations, as well as prerequisites for databases that are used in a clustered environmen

- The IBM Education Assistant provides interactive resources to learn the basics of a clustered advantages of a deployment environment-based configuration:

  Clustering concepts

  Clustering administration and configuration

- developerWorks is one of the most popular educational exchange platforms, with hur by IBM employees, the WebSphere Zone is one of the most frequently visited portal

  developerWorks WebSphere Zone

- IBM Redbooks provide knowledge and best practices regarding WebSphere Process subject matter experts as well as installation and configuration guides:

  IBM Redbooks

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Planning your deployment topology

Before starting to deploy and configure your first WebSphere Process Server cluster, you plan th nonfunctional requirements. The following resources document the most important aspects of pla

- The following IBM Redbooks document provides an introduction to the components of a W Several topologies are explained and their applicability for a production environment is discu deployment patterns are documented. The document not only guides you through the basic t Remote Messaging and Remote Support) but also through the setup of advanced topologies clusters):

Production Topologies for WebSphere Process Server and WebSphere ESB V6

- To get a better understanding of how to select an appropriate cluster topology, read the follo
  database and the use of multiple messaging engines. The article also applies to WebSphere F

  Clustering WebSphere Process Server V6.0.2, Part 1: Understanding the topology

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Setting up a clustered environment

With a basic understanding of cluster topologies, you can start setting up a clustered envi
and guidelines, with focus on deployment environment setups:

- Learning how to set up a deployment environment is covered by the appropriate IBM
  Process Server V6.1:
  Tutorial - Creating a pre-defined deployment environment
  Tutorial - Clustering a custom environment

- A following developerWorks article is about clustering WebSphere Process Server V6.1 usir
  hands-on lab section shows you how to configure the golden topology pattern using a deploy
  and Remote Support):

  Building clustered topologies in WebSphere Process Server V6.1

- This Redpaper shows you how to configure WebSphere Process Server V6.1 using a high-pe

  Configuring WebSphere Process Server V6.1 with an Oracle Database

- This IBM Redbooks document shows the planning and configuration tasks for advanced top
  independent):

[Production Topologies for WebSphere Process Server and WebSphere ESB V6](#)

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Business integration with WebSphere Portal

Use the following resources to guide you through the setup and configuration of a process portal
WebSphere Process Server V6.1:

- This guide shows you how to configure two installations of WebSphere Portal and WebSphere
  development system where WebSphere Portal Server interacts with WebSphere Process Serv

  [Setting up WebSphere Process Server V6.1 and WebSphere Portal Server V6.1.0.3 o](#)

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Related Information

[IBM Education Assistant](#)

[IBM Redbooks](#)

[Websphere Process Server V7.0 Knowledge Center](#)

[developerWorks WebSphere Zone](#)

Product Synonym

WPS

Document Information

More support for:
WebSphere Process Server

Software version:

6.2

Operating system(s):

AIX, HP-UX, Linux, Solaris, Windows, z/OS, IBM i

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