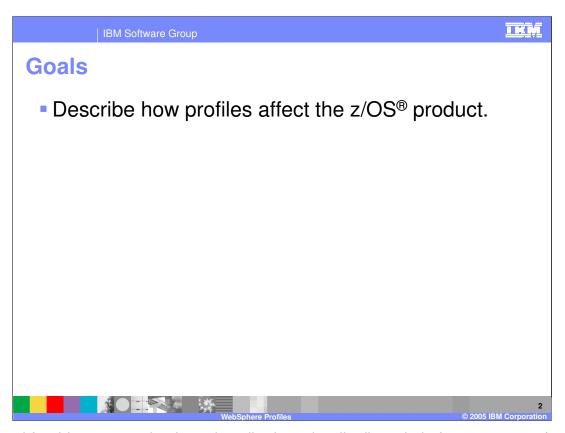
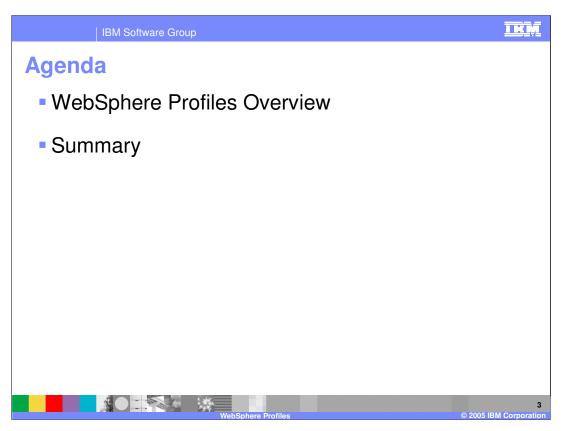


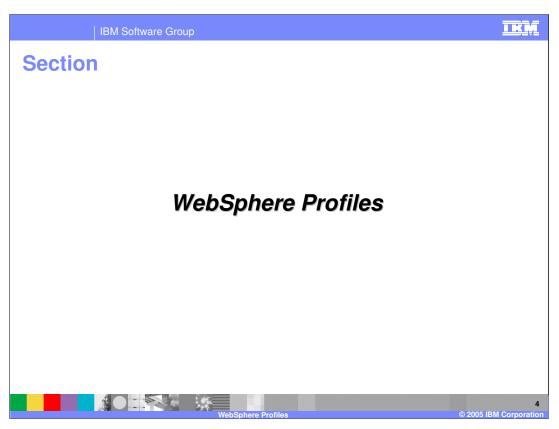
This presentation will focus on WebSphere Profiles.



The goal for this presentation is to describe how the distributed platform concept of 'Profiles' fits into the WebSphere Application Server for the z/OS platform.



The agenda for this presentation includes an overview of Profiles and what it means to the z/OS WebSphere Application Server.



This section covers WebSphere Profiles.

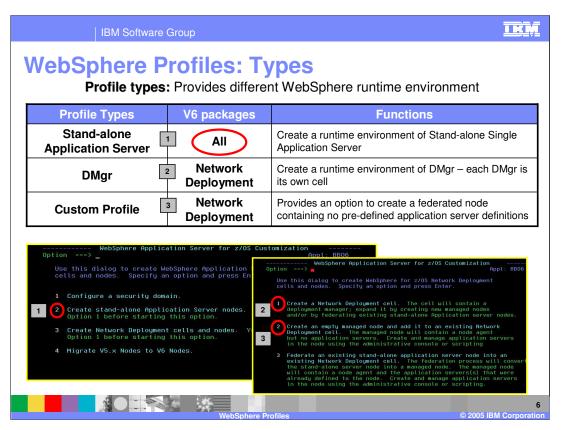
IBM Software Group

WebSphere Profiles

- WebSphere V6 files are split into 2 categories
 - ▶ Product Files shared application binaries for WebSphere
 - User data set of user customizations for a specific runtime environment
 - Includes WebSphere configuration, installed applications, resource adapters, properties, log files, transaction log files, etc.
- Each Profile (specific user data along with the shared product binaries) define a WebSphere runtime environment
 - ▶ Stand-alone Application Server, Deployment Manager (DMgr) or Custom Profile
- Easier than multiple installations
 - Less disk space
 - Product update is simplified



The concepts here are not new to z/OS users. The 'product files', or product binaries, are the ones installed and maintained via SMP/E. There is normally only one set of product files per system. The 'user data' is what is created when running the jobs created by the ISPF Customization Dialogs. The 'user data' contains information used by the application server. For example, this is where variables are defined, resources are configured, and so on. A 'Profile' has become a term to formalize the collection of user data along with the shared product binaries that defines a WebSphere runtime environment. On z/OS, there is always one and only one 'profile' and that is named 'default' in each of the configurations.



This slide illustrates the idea behind profiles and how these different types of profiles relate to what you create on z/OS. With the exception of the Custom Profile, there is nothing new here from V5. An important point here is that on z/OS, you will be doing what you have always done. You will create a base application server node (now named 'standalone application server node) or you will create a deployment manager node (a Network Deployment cell). You will differentiate where the configuration is stored when you specify a mount point and home directory. For instance, you might use the same mount point for both the stand-alone application server node and the deployment manager node but you would have different home directories. The resulting HFS would then have the two directories:

/WebSphere/V6R0/AppServer /WebSphere/V6R0/DeploymentManager

Each of those directories would also contain a /profiles directory but the profile in both cases would be /default:

/WebSphere/V6R0/AppServer/profiles/default /WebSphere/V6R0/DeploymentManager/profiles/default

z/OS always has one and only one profile...and it is named 'default'!! You will see this on some later slides.



'Custom Profile'

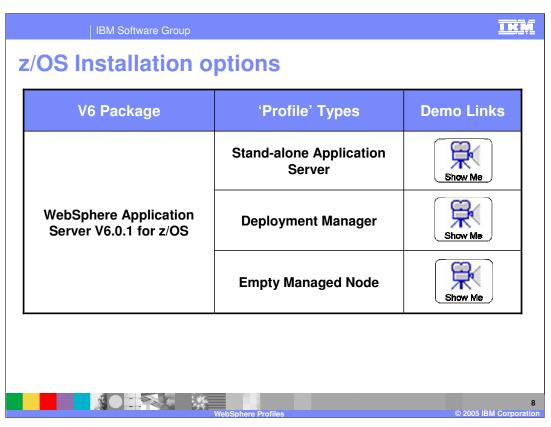
 z/OS does not use the 'custom profile' terminology but does have the concept:

Create an empty managed node and add it to an existing
Network Deployment cell. The managed node will contain a
node agent but no application servers. Create and manage
application servers in the node using the administrative
console or scripting.

 This option is useful when creating clusters and you don't need the 'stand-alone server' on that second LPAR...you were just creating one to have a node to federate.



Administrative Console since it will be federated into an existing Network Deployment cell. This is useful for server clustering where a node is being federated to run a clustered instance of a server (and the server has already been added to the cluster from another node). Often, the 'base application server' wasn't needed on the second node.



From this slide, you can click on the Show Me icons for animated demonstrations of various installation exercises.

Profiles: Impact on other commands

• WebSphere commands (like startServer, stopServer) will now be "profile" aware

• There will be a "-profile" option on many WebSphere V6 commands
• If no profile is specified, the default profile is assumed

• There can be only 1 default profile (on z/OS, remember there is only one profile, 'default')

• Example:

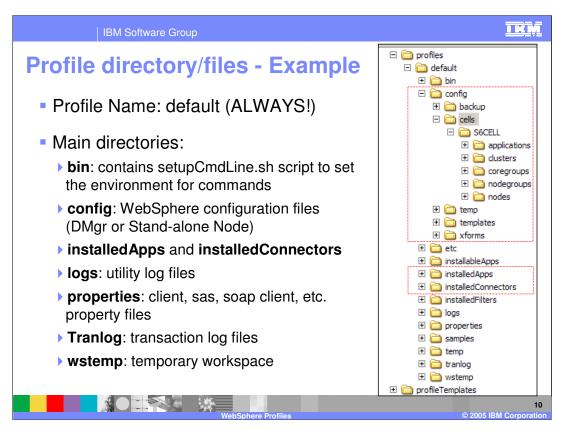
• startServer server1 -profile Node1

• startManager -profile DMgr

• stopServer server1 → assumes default profile

While there is a new keyword on some WebSphere commands, it should never be necessary to use it on the z/OS platform. Again, z/OS has only one profile and it is named 'default'. WebSphere commands assume the default profile unless you specify a profile, as shown here. These examples would be valid on a distributed platform.

AO TRANS



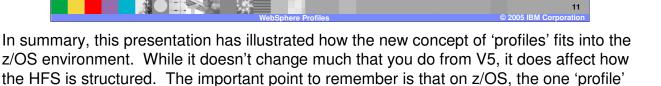
This slide illustrates the configuration structure within each profile. Directories such as the 'config' directory are familiar from Version 5, but instead of being directly off the <home directory> (i.e., <mount point>/AppServer), there is a new profiles/default directory first. This mimics the distributed platform where there can be many profiles. On z/OS, there is one and only one profile, and that is named 'default'. This looks the same whether you are looking at a Deployment Manager configuration or an Application Server configuration.

| IBM Software Group

Summary

you will ever see is named 'default'.

- WebSphere Profiles provides a separation between product binaries and user data
- While there is the 'concept' on z/OS, the only effect is some additional directories in the HFS.
- z/OS has one 'profile' only and it is named 'default' in each of the configurations possible (i.e., standalone application server node, deployment manager node, empty-managed node)





Template Revision: 11/02/2004 5:50 PM

Trademarks, Copyrights, and Disclaimers

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

CICS Cloudscape DB2 DB2 Universal Database IBM IBM(logo) e(logo)business AIX

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel, ActionMedia, LANDesk, MMX, Pentium and ProShare are trademarks of Intel Corporation in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds.

Other company, product and service names may be trademarks or service marks of others.

Product data has been reviewed for accuracy as of the date of initial publication. Product data is subject to change without notice. This document could include technical inaccuracies or typographical errors. IBM may make improvements and/or changes in the product(s) and/or program(s) described herein at any time without notice. Any statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and and objectives only. References in this document in this document in this document in this document is not intended to make such products, programs or services available in all countries or which IBM operates or does business. Any reference to an IBM Program Product in this document is not intended to state or imply that only that program product may be used. Any functionally equivalent program, that does not infringe IBM's intellectual program product may be used instead.

Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY. EITHER EXPRESS OF IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY. FITHES FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information. IBM products are warranted, if at all, according to the terms and conditions of the agreements e.g., IBM Customer Agreement. Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in connection with this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents or copyrights. Inquiries regarding patent or copyright licenses should be made, in writing, to:

IBM Director of Licensing IBM Corporation North Castle Drive Armonk, NY 10504-1785 U.S.A.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.

© Copyright International Business Machines Corporation 2004. All rights reserved.

Note to U.S. Government Users - Documentation related to restricted rights-Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract and IBM Corp.