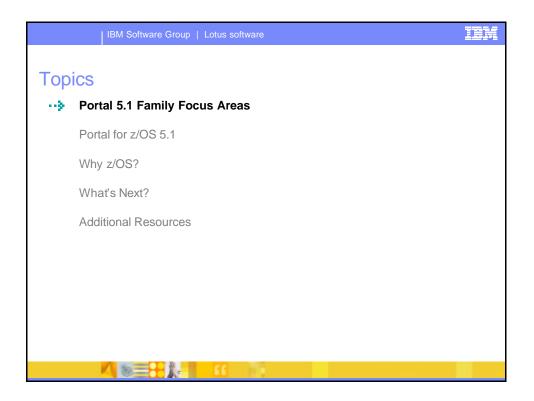
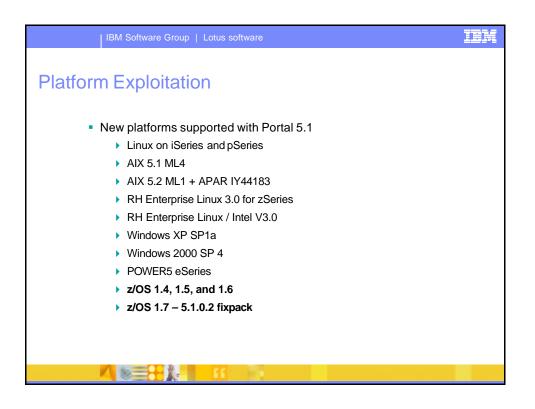
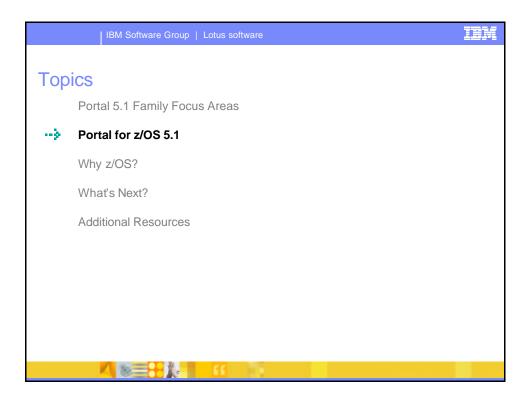


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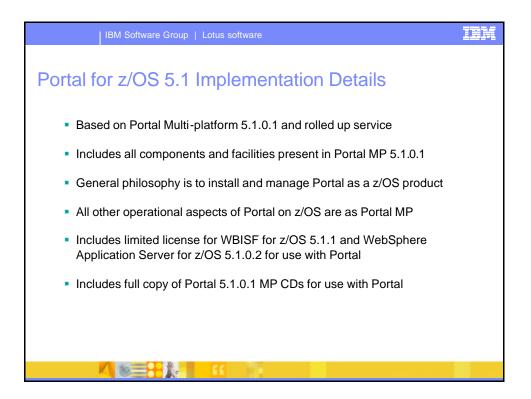


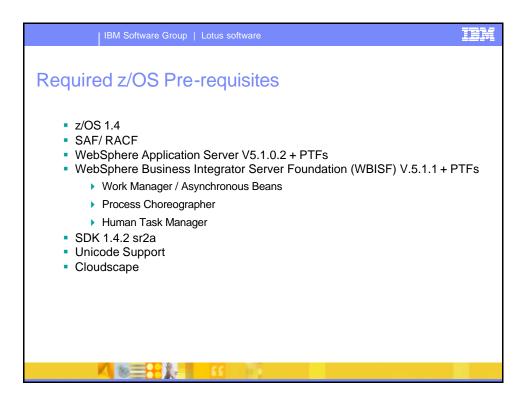
IBM Software Group   Lotus software	iem
Portal Family 5.1 Focus Areas	
<ul> <li>Content Management</li> <li>PDM</li> <li>IWWCM</li> <li>Personalization</li> <li>Search</li> <li>Business Process Integration</li> <li>Collaboration and Workplace Integration</li> <li>Operations and Deployment</li> <li>Standards</li> <li>Programming Model</li> <li>Tools Support</li> <li>Administering a Portal</li> <li>Virtual Portal</li> <li>Security</li> <li>Performance</li> <li>Platform Exploitation</li> </ul>	



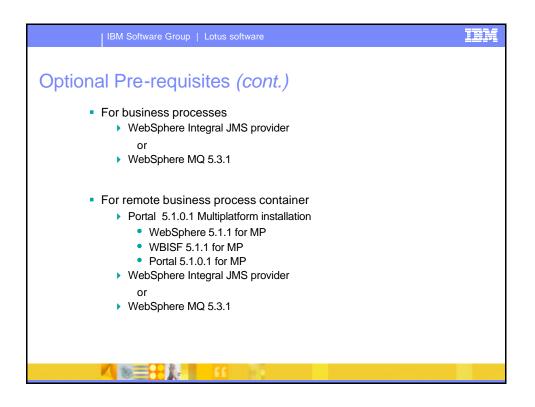




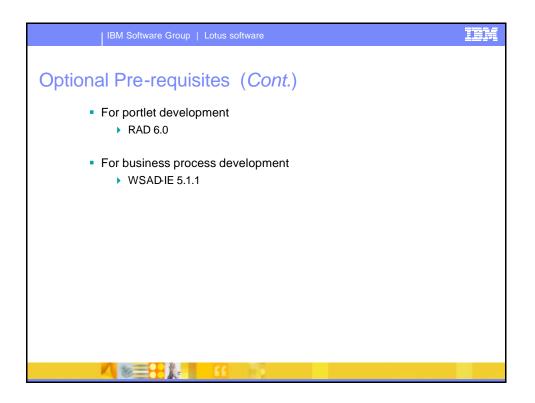




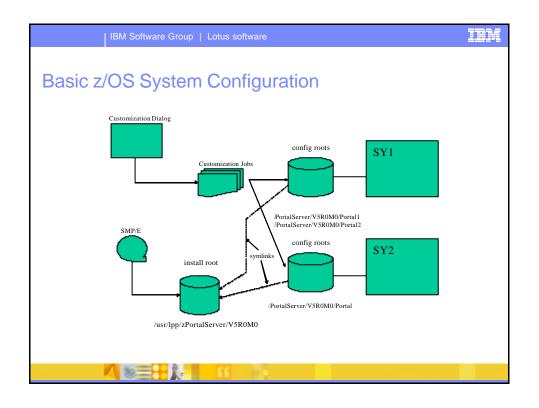
IBM Software Group   Lotus software	IM.
Optional Pre-requisites	
<ul> <li>For production database</li> <li>DB2 for z/OS 7.1 + PTFs</li> </ul>	
<ul> <li>Required for vertical and horizontal clustering including multiple servant regions</li> </ul>	
<ul> <li>For security</li> <li>IBM Secureway Directory LDAP Server for z/OS</li> <li>Tivoli Access Manager</li> <li>WebSEAL Authentication Proxy</li> </ul>	
<ul><li>Authorization Server</li><li>Policy Server</li></ul>	
<ul> <li>For remote web container</li> <li>IBM HTTP Server</li> </ul>	

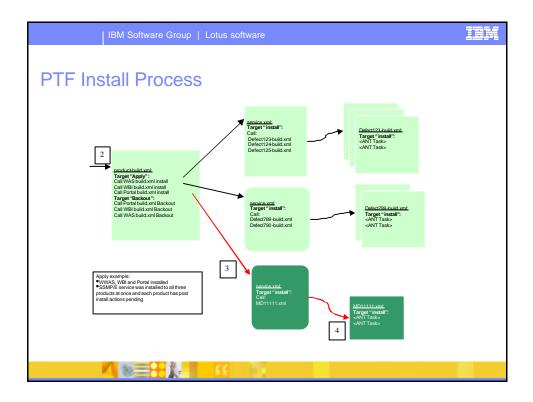


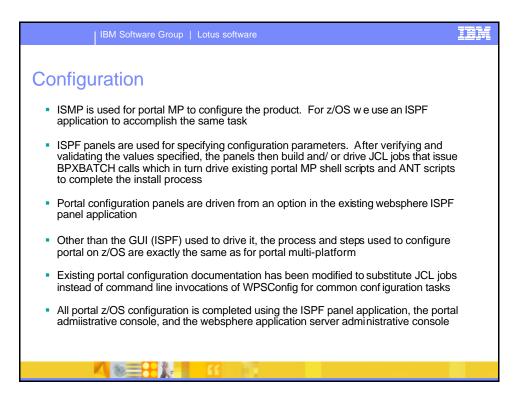
IBM Software Group   Lotus software	IBM
Optional Pre-requisites (Cont.)	
<ul> <li>For remote document conversion</li> <li>WebSphere 5.1.1 Multiplatform installation</li> <li>WebSphere 5.1.1 for MP</li> <li>WBISF 5.1.1 for MP</li> </ul>	
<ul> <li>For remote spell check</li> <li>WebSphere 5.1.1 Multiplatform installation</li> <li>WebSphere 5.1.1 for MP</li> </ul>	



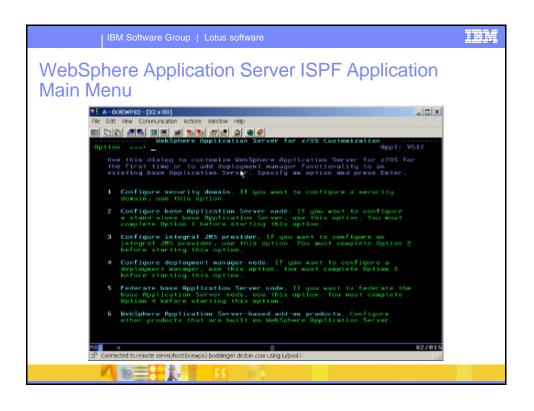
	IBM Software Group   Lotus software
Install	
	<ul> <li>Basic Product Installation</li> <li>Portal MP is installed via ISMP</li> <li>Portal z/OS is installed using SMPE</li> <li>SMPE 3.1 is used to install individual jar, class, xml, and properties files</li> </ul>
	<ul> <li>Enhanced Portal install process allows for easier maintainance</li> <li>Provides support for the SMPE JAR installer and the z/OS Common PTF installer and Post processor, as well as a reworked file structure to support simple, incremental, ptf fix installs</li> <li>Portal z/OS does not require complete reinstall/ reconfiguration in order to install maintanence</li> </ul>
	<ul> <li>Portal z/OS supports seperate install directory and multiple configuration directories</li> <li>No R/W files reside in the install directory</li> </ul>



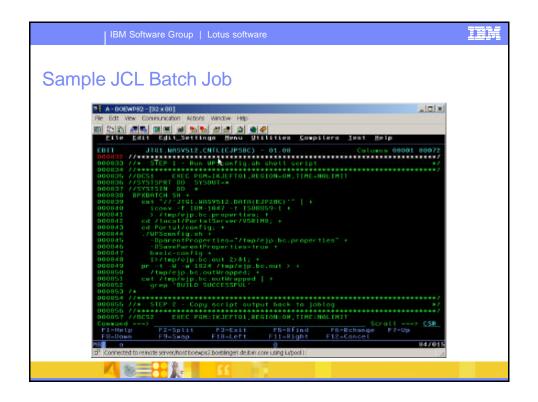


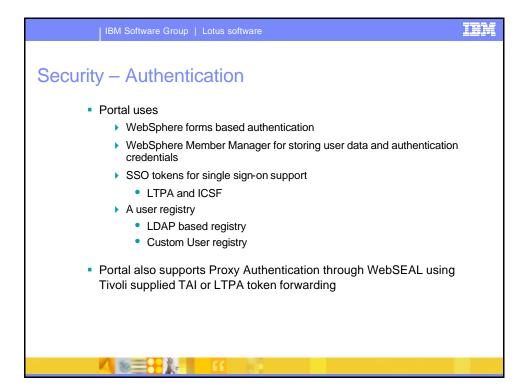


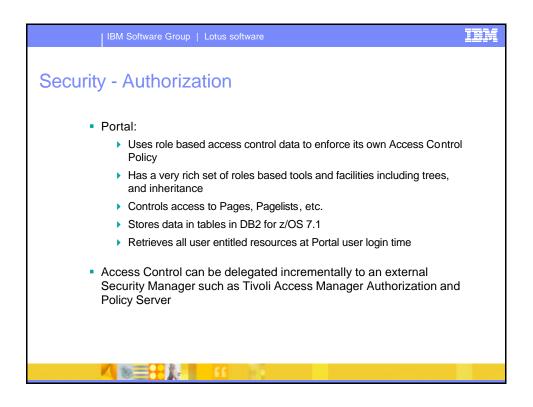
IBM Software Group   Lotus software	IIM
Invoking the WebSphere Application Server ISPF Configuration Application	
A - BOEWAPS2 - [S2:00]         Re Est Wey Consumation Actors Window Hep         DEPER COMMEND	
P1=HELF P2=SPLIT F3=END P4=RETURN P5=RF1ND F6=RCHANGE F7=UP F8=D0MN F9=SWAP F10=LEFT F11=RT0HT F12=RETRIEVE NAM 0 0 0 0 0 047071	
Connected to results server/host boewps2 boetingen disber com Lising Lybool II	



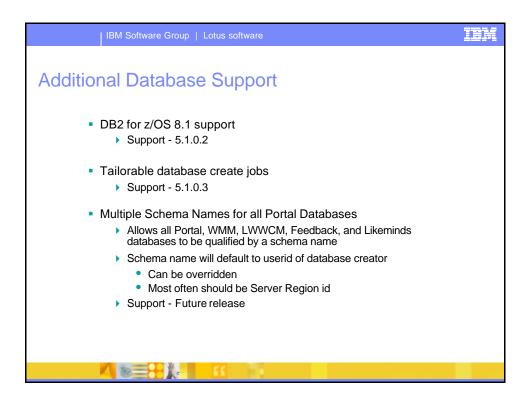
IBM Software Group   Lotus software	IBM
Portal ISPF Application Main Menu	
The Edit Way Consumption Actors Window Hep         The Edit Way	
Portal configuration	
Use this dialog to configure WebEphere Pertuit for 2/05 for the first time or to apply advanced configuretion tacks to ben existing portal. You may also use these panels to configure security aptiens for your portal and to configure optional applications for use with your portal. Specify an option and press ENTER.	
<ol> <li>Besic configuration tasks. If you sant to configure a base portal, use this option.</li> </ol>	
2 Advanced configuration tasks. If you want to apply advanced configuration tasks to your portal, use this option. You must complete option 1 before starting this option.	
3 Security configuration tacks. If you want to configure security for your portal, use this option. You must complete option i before starting this option.	
d Application configuration tasks. If you want to configure additional applications for use with your portal, use this option. You must complete option 1 before starting this option.	
D     O	



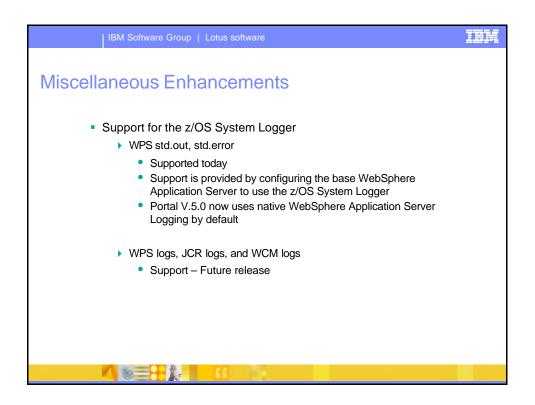




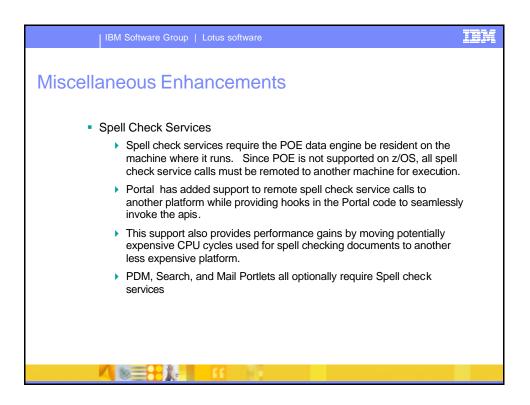
IBM Software Group   Lotus software	IBM
Database Support	
<ul> <li>Portal installs and uses Cloudscape by default</li> <li>Cloudscape is shipped with Portal</li> </ul>	
Can only be used in a WebSphere Base node configuration	
<ul> <li>DB2 for z/OS Support</li> </ul>	
<ul> <li>Portal supports the use of DB2 for z/OS, but requires a Post install step to migrate from Cloudscape to DB2 for z/OS 7.1</li> </ul>	
Required for clustering and/or multiple server servant regions	
<ul> <li>Portal uses JCC Universal JDBC driver to talk to DB2 for z/OS 7.1</li> <li>Type 2 when used from Portal z/OS</li> </ul>	
<ul> <li>Type 4 when used from Portal MP</li> </ul>	
<ul> <li>Manual configuration required to configure Portal z/OS to talk to DB2 for z/OS on another z/OS image</li> </ul>	or
<ul> <li>DB2 Data Sharing required when configuring a Portal horizontal cluster</li> </ul>	



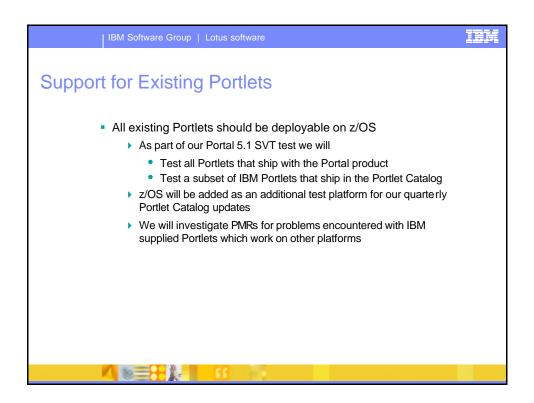
IBM Software Group   Lotus software	IBM
Additional WebSphere Support	
<ul> <li>WAS V6.0</li> <li>Support - WAS 6.0.2 and Portal 5.1.0.2</li> </ul>	
<ul> <li>WBI Server V6.0 Support</li> <li>In order to enable Portal workflow components when running on WAS 6.0, business process container must be run on a separate platform and workflow calls must be remoted to that platform</li> </ul>	\$
<ul> <li>Support – Future release</li> </ul>	

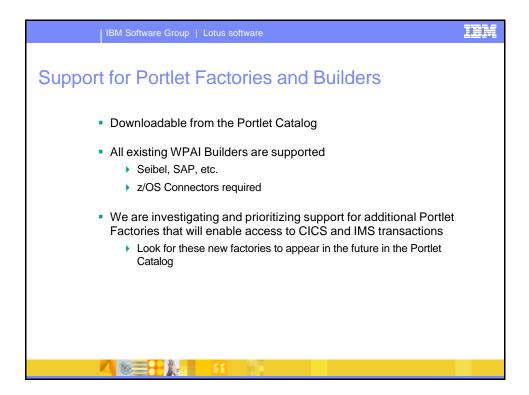


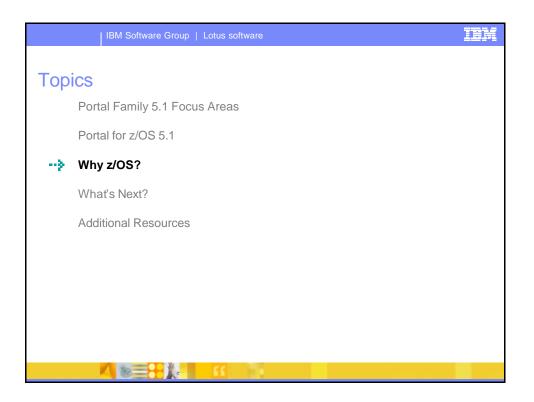
BM Software Group   Lotus software	IIM
Miscellaneous Enhancements	
<ul> <li>Document Conversion Services (DCS)</li> </ul>	
<ul> <li>Document converters are provided by Stellent and require the GDI api suite to be resident on the machine where it runs. Since GDI is not supported on z/OS, all converter service calls must be remoted to another machine for execution.</li> </ul>	
<ul> <li>Portal has added support to remote the DCS engine to another platform while providing hooks in the Portal code to seamlessly invoke the apis.</li> </ul>	
<ul> <li>This support also provides performance gains by moving potentially expensive CPU cycles used for converting documents to another less expensive platform.</li> </ul>	
<ul> <li>PDM, Search, and Mail Portlets all optionally require Document Converters</li> </ul>	

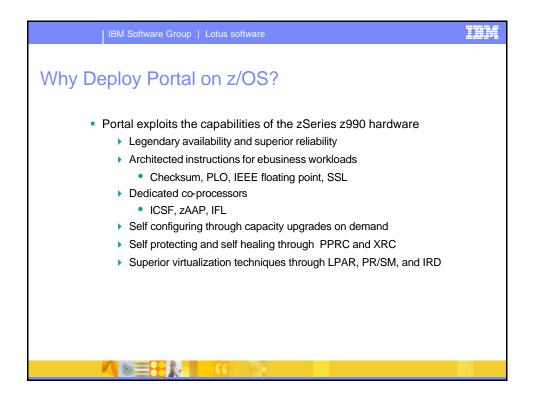


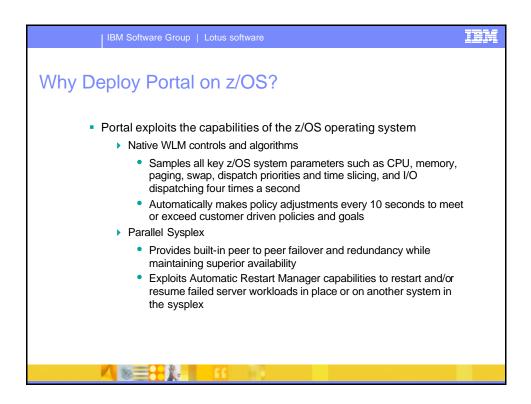
IBM Software Group   Lotus software	M
Miscellaneous Enhancements	
<ul> <li>Sub-Capacity Pricing Support</li> </ul>	
<ul> <li>Adds the support for the compliance checking mechanism in support of sub-capacity pricing for z/OS software.</li> </ul>	
<ul> <li>Provided by a set of java interfaces provided by the z/OS operating system that under the covers write SMF 89 records.</li> </ul>	
<ul> <li>A post processor tool (SCRT) analyzes this data for capacity usage and compliance.</li> </ul>	



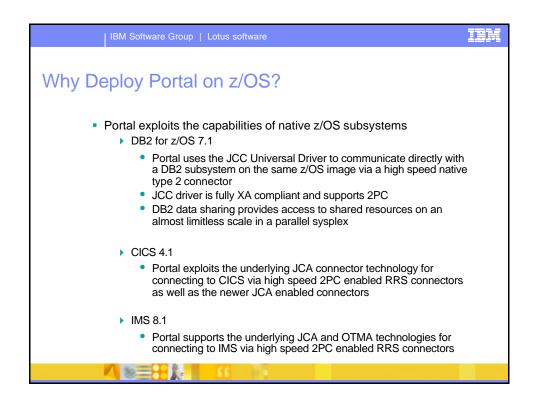




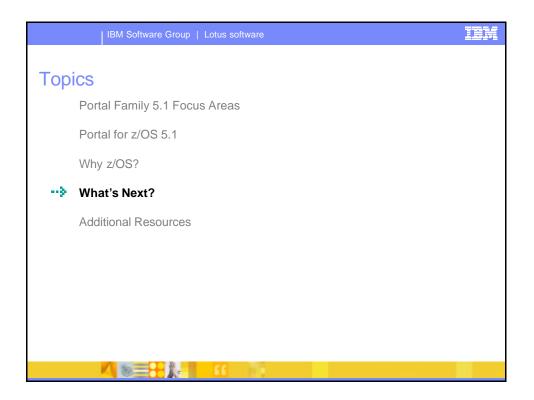


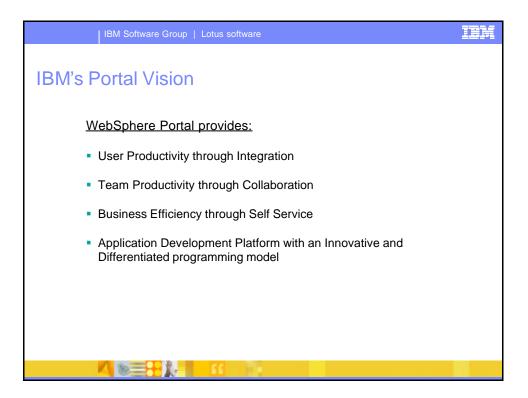


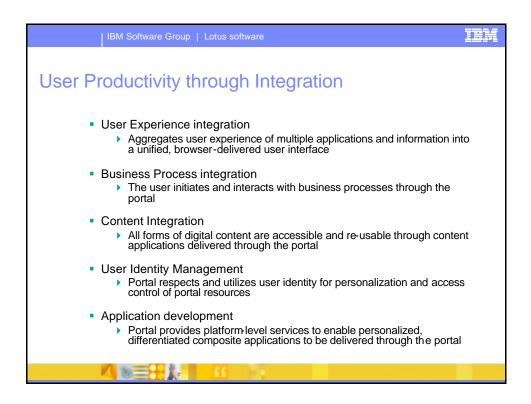
IBM Software Group   Lotus software	
Why Deploy Portal on z/OS?	
<ul> <li>Portal exploits the capabilities of WebSphere for z/OS</li> </ul>	
<ul> <li>WebSphere for z/OS is a natural cluster composed of a Controller an one or more Servants</li> </ul>	d
Controller	
- System code only, key 0, authorized	
<ul> <li>Application code is completely isolated from the z/OS operating system</li> </ul>	
Servants	
- Customer code (ie, Java), key 8, problem state	
<ul> <li>No access to authorized system code or resources</li> </ul>	
<ul> <li>Each Servant is an isolated application environment with its own JVM</li> </ul>	5
<ul> <li>WebSphere, WLM, and z/OS work together to maintain system integrity through isolated work environments</li> </ul>	
<ul> <li>WLM manages the WebSphere Cluster by automatically starting and stopping WebSphere Servers (Nodes) as needed</li> </ul>	



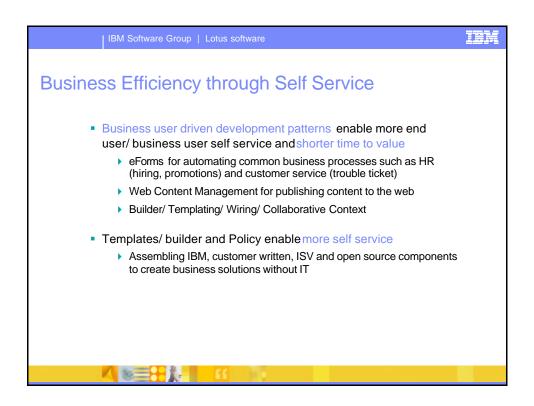
IBM Software Group   Lotus software
Why Deploy Portal on z/OS?
<ul> <li>Portal exploits the capabilities of the z/OS Communication Server</li> <li>Sysplex Distributor and VIPA provide connection balancing and automatic failover and redirection in the sysplex</li> </ul>
The combination of Sysplex Distributor, Dynamic VIPA, WLM, OSA adapters and the z/OS Communication Server provide a very high speed, very reliable, very fault tolerant network environment for running Portal
<ul> <li>Both the TCP/IP and SNA components of the z/OS Communications Server exploit a set of high performance I/O drivers</li> </ul>
<ul> <li>Allow for memory mapped device I/O through QDIO device drivers</li> <li>Allow for Hypersocket connections between LPARs using standard TCP/IP addressing schemes</li> </ul>
<ul> <li>Allows for multiple LPAR and system integration possibilities consisting of one or more z/OS and/or zLinux images</li> </ul>

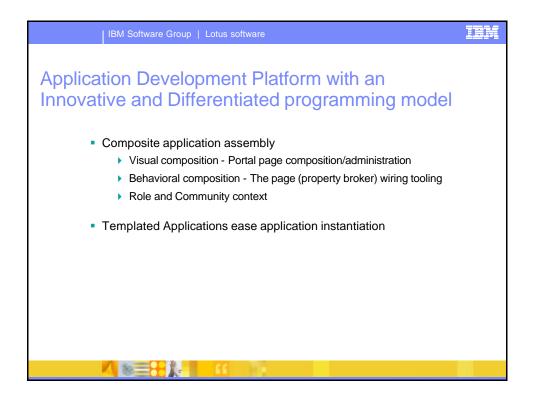


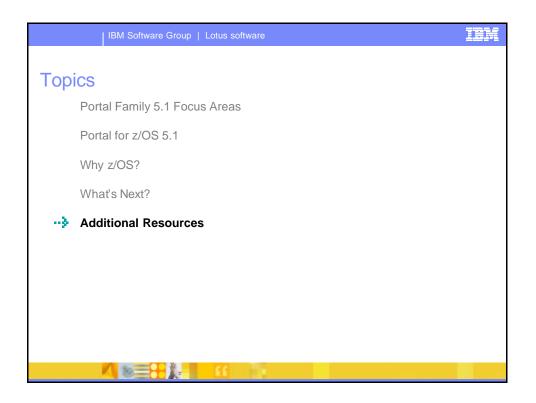




IBM Software Group   Lotus software	IBM
Team Productivity through Collaboration	
<ul> <li>Core collaborative underpinnings</li> <li>Document sharing</li> <li>Presence awareness and chat</li> <li>Team Rooms</li> </ul>	
<ul> <li>Integration into existing mail systems</li> <li>Common Personal Information Management Portlets (CPP) for mail and calendar, plus IBM components for underserved segments</li> </ul>	







IBM Software Group   Lotus software	IIM
Additional Resources	
<ul> <li>WebSphere Portal for z/OS 5.1 Infocenter         <ul> <li>http://www.ibm.com/developerworks/websphere/zones/portal/proddoc.html</li> </ul> </li> <li>WebSphere Portal Zone         <ul> <li>http://www.ibm.com/developerworks/websphere/zones/portal</li> </ul> </li> </ul>	
<ul> <li>WebSphere Portal Product Documentation         <ul> <li>http://www.ibm.com/developerworks/websphere/zones/portal/proddoc.html</li> </ul> </li> <li>WebSphere Portal Family Product Page</li> </ul>	
<ul> <li>http://www.software.ibm.com/websphere/portal</li> <li>Other WebSphere Family Products</li> <li>http://www.software.ibm.com/websphere</li> <li>Other Lotus Products</li> </ul>	
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<ul> <li>Accessibility Guidelines</li> <li>http://www.w3.org/WAI</li> </ul>	