

Fast, Accurate and Repeatable Deployments of WebSphere Products on Linux for System z using the *WebSphere CloudBurst Appliance*



Reduced cost and time-to-value; consistent accuracy and agility



Provisioning new environment takes too long and is too error prone...

Why WebSphere CloudBurst Appliance?

- The average lead time to get a new application environment up and running is 4-6 weeks (or even longer)
 - Approvals, procurement, shipment, HW installation, license procurement, OS installation, application installation, configuration
- Management of the various nonproduction environments of the combined server application environment is inconsistent and difficult
 - 30%+ of bugs are introduced by inconsistent configurations
 - These bugs are often of the most difficult variety to detect and these bugs often emerge when moving between environments: dev/test, QA, production.
- Because it's so expensive to set up environments, there is an incentive to hold onto them even when no longer needed "just in case."
 - Therefore, any new environments require new hardware instead of recycling returned hardware.
 - Causes license bloat and license tracking errors.



Cross platform support for zSeries, pSeries and x86 series platforms that run WebSphere middleware products...

WebSphere Middleware Clouds

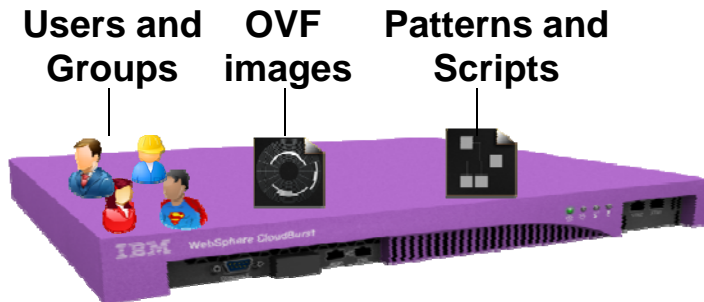
1. WebSphere CloudBurst Appliance

- Cloud management functionality
- WebSphere Hypervisor Edition middleware images
- WebSphere middleware patterns
- Agent, application scripting, etc.

2. Cloudburst Dispenses and manages the on-premise cloud...

Bring your own Enterprise cloud resources

- Mix and Match Hypervisors: VMware, PowerVM, zVM
- Storage
- Network



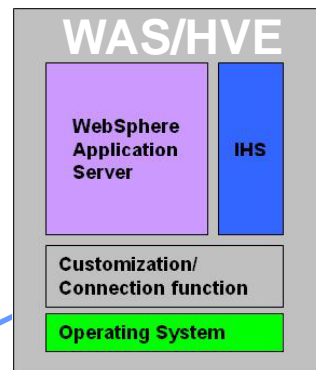
Web 2.0 UI, CLI, and REST APIs



User requests WebSphere Product Hypervisor Edition to be dispensed



User can access WebSphere Product virtual image

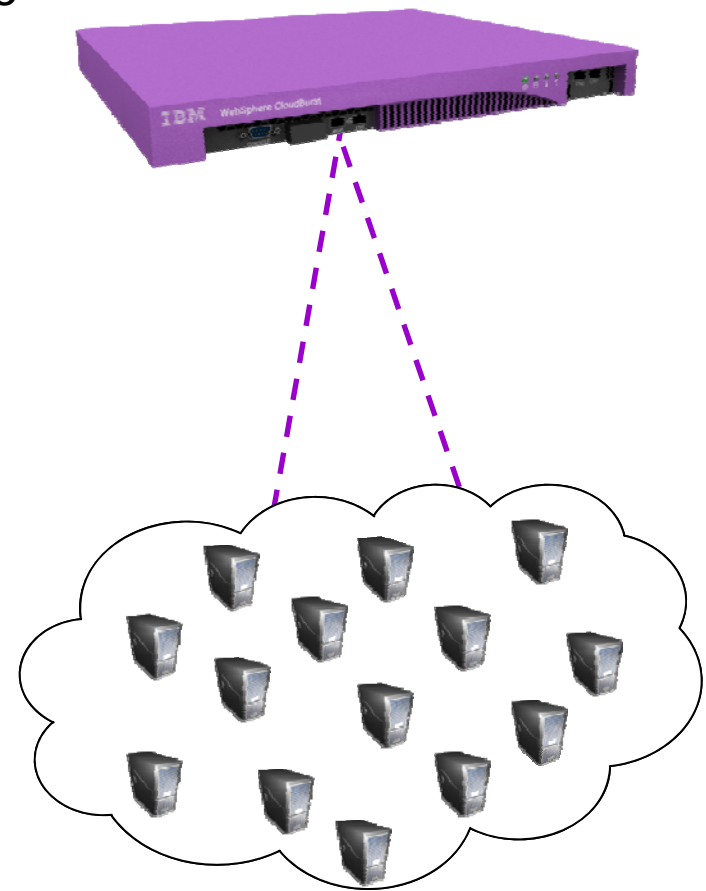


3. Creates enterprise specific, custom WebSphere Virtual Systems

- Customize and extend images and patterns for your applications
- Dispense and run in the cloud
- Life-cycle management and optimization

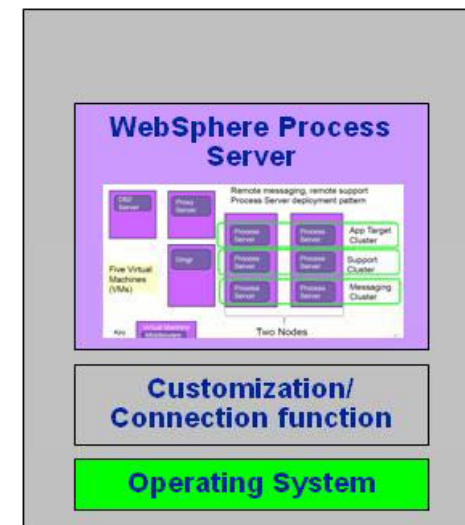
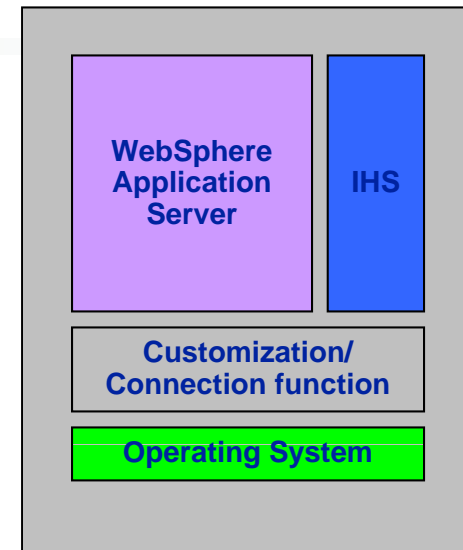
WebSphere CloudBurst Appliance

- A secure, self-service cloud management hardware appliance (DataPower DNA)
- Unmatched WebSphere middleware product management (apply maintenance, federate cells, etc. - not black box)
- Enables consistent & repeatable deployment of application environments based on patterns
- Dispenses hardened, best practices, WebSphere Product patterns into a “bring your own cloud” of virtualized hardware running a supported hypervisors e.g. VMware ESX, z/VM or PowerVM.
- Stores and dispenses user customized patterns and images (roadmap item for non-IBM products)
- Manages licenses to automatically limit usage
- Integrates with existing infrastructure through programmable REST APIs with close to integration to Build Forge and RAFW as well as Tivoli Provisioning Manager



IBM WebSphere Hypervisor Edition Products

- IBM has announced hypervisor editions of of:
 - WebSphere Application Server
 - WebSphere Process Server
 - WebSphere Message Broker
 - DB2
 - WebSphere Portal
- Each of these products run on multiple underlying hypervisors including: VMware ESX, PowerVM and z/VM)
- Open Virtualization Format standard base packaging
- No installation required (just run)
- Single virtual image capable of supporting single servers or clusters
- Maintenance, support, and fixes through IBM for entire image
- Custom Hypervisor versions of other products can be created by partners or customers

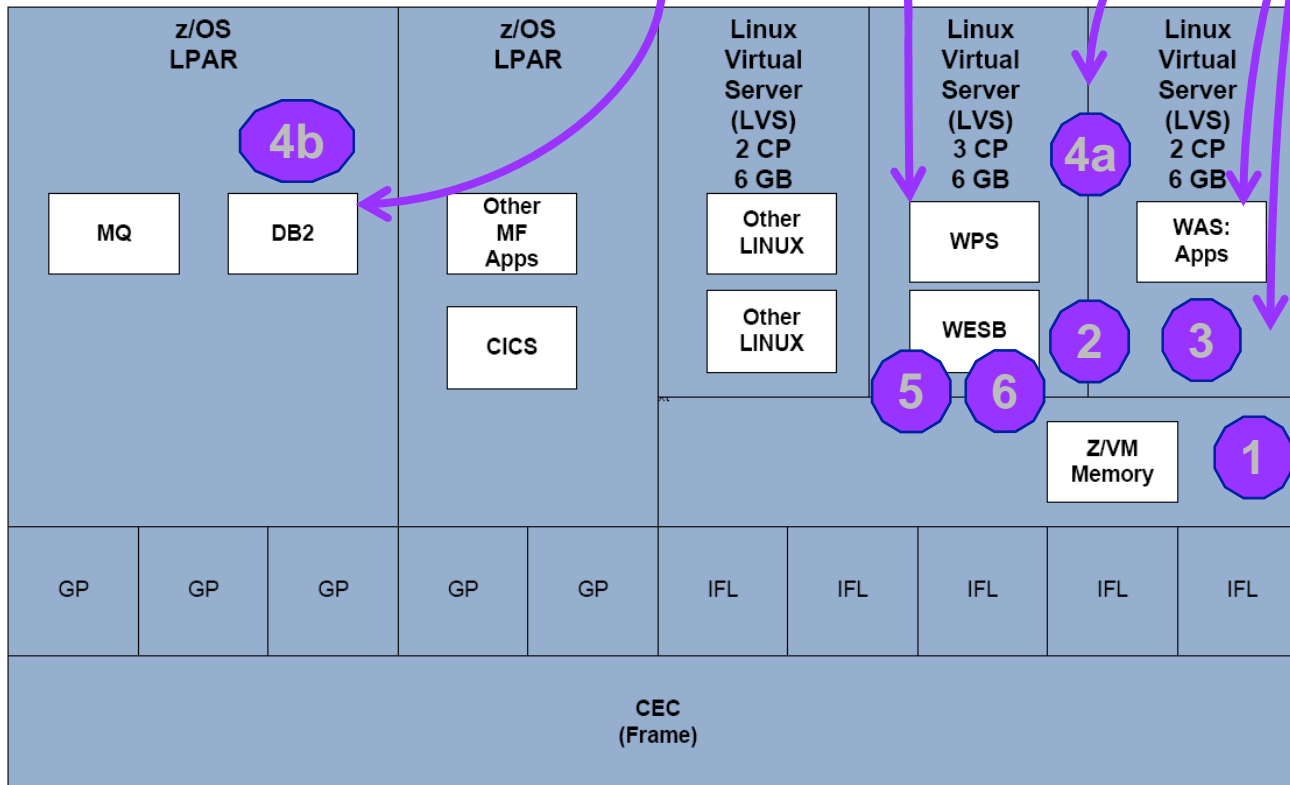


Healthcare Provider Scenario High Level Configuration....

Scenario summary mapped onto System z block diagram...



Linux Virtual Servers (LVS).
 CP = max number of IFLs LVS has access to.
 GB = max amount of ZVM RAM LVS has access to



WebSphere CloudBurst:

1. Connects to z/VM hypervisors
2. Creates virtual machines for: WebSphere Process Server HypervisorEdition
3. WebSphere Application Server HypervisorEdition
4. Runs configuration scripts
 - a) Assign environmental variables
 - b) Connect WPS to DB2 server on z/OS
5. Starts VMs and WAS
6. Runs Real-time Claims WPS application deployment scripts

GP = General Processors supporting z/OS LPARS
 IFL = Independent Facility for Linux; crippled GPs micro-coded to support Linux/Linux on z/VM only

Less than 30 minutes from bare hypervisor to application log-on... Provisioning zLinux WebSphere Process Server with the Real Time Claims Application



WebSphere CloudBurst Welcome, Julian Foster | Profile

Virtual Systems Patterns Catalog Cloud Appliance

Virtual Systems

Search...

- DB2 for WSRR 7 - WCA Script Package Test 5
- DB2/WSRR Visa - Service Reload
- RAFW**
- RHELv5.5 WASv7.0.0.11 Advanced Cluster 1
- RHELv5.5 WASv7.0.0.11 Simple Cluster Plus 1
- Real Time Claims -212343.2**
- Rich DB2 V9.7
- Rich Gold Top - Full Script Test 1
- Rich SSE WPS
- Rich WSRR 7.0.2 - Silent Install
- SLESv10.2 DB2v9.7 expansion 9.7.0.0.4
- Suresh_SUSE11_WPS7.0.0.2_32bit
- WPSv7.0.0.2 SUSEv11 standalone instance 1
- WS-MB 7.0.1 instance 1
- WS-Portal 6.1 instance 1
- WSRR 7002 - Visa Reload
- WSRR7002/DB297 - Single VM

Real Time Claims -212343.2

History The virtual system has been deployed and is ready to use

| | |
|--|--------------------------|
| The virtual system has been deployed and is ready to use | Sep 23, 2010 10:03:30 PM |
| Executing script package RealTimeClaimAdjudicationApp on virtual machine Real Time Claims -212343.2 cbvm20 | Sep 23, 2010 10:00:51 PM |
| Starting virtual machine Real Time Claims -212343.2 cbvm20 | Sep 23, 2010 9:49:05 PM |
| Starting virtual machines | Sep 23, 2010 9:49:05 PM |
| Registering virtual system Real Time Claims -212343.2 | Sep 23, 2010 9:48:50 PM |
| Transferring virtual images to hypervisors | Sep 23, 2010 9:48:34 PM |
| Generating model for topology and network | Sep 23, 2010 9:48:19 PM |
| Reserving cloud resources | Sep 23, 2010 9:48:06 PM |
| Processing has started | Sep 23, 2010 9:48:04 PM |

Virtual machines 1 total - 1 started

| Name | CPU | Memory | SSH | Actions |
|-----------------------------------|-----|--------|-----------------------|----------------------|
| Real Time Claims -212343.2 cbvm20 | 0% | 92% | Login | View |

General information

- Created on: Sep 23, 2010 9:48:05 PM
- From virtual image: [WebSphere Process Server 7.0.0.2 for 32 bit SUSE 11](#)
- Current status: ▶ Virtual machine has been started
- Updated on: Sep 24, 2010 12:24:00 PM
- On hypervisor: [192.168.0.150](#)
- In cloud group: [1_hhg_web_cloud_group](#)

Pilot for a large Health Care Provider

Less than 90 minutes from bare hypervisor to application log-on... Select WebSphere Process Server Gold Topology

The screenshot shows the WebSphere CloudBurst administrator interface in a Mozilla Firefox browser. The browser address bar shows the URL <https://192.168.43.47/dashboard/patterns/>. The interface has a dark blue header with the text "WebSphere CloudBurst" and "Welcome, Administrator | Help | About". Below the header is a navigation bar with tabs: "Welcome", "Virtual Systems", "Patterns", "Environment Profiles", "Catalog", "Cloud", and "Appliance". The "Patterns" tab is selected. On the left side, there is a search bar and a list of patterns. The list includes items like "BuildForge_RAFW 7.1.2", "Copy of WebSphere ProcServer 6.2.0.2 for SLES11 s390x Clone and Extend_1", "Real Time Claims Adjudication - Single VM", "Rich Test - Empty VM", "Scalable Environment for WebSphere Process Server V6.2.0.2 on SUSE 11 s390x", "Scalable Environment for WebSphere Process Server V6.2.0.2 on SUSE 11 s390x w/ RAFW", "Scalable Environment for WebSphere Process Server V7.0.0.2 on SUSE 11 s390x", "Simulated Scalable Environment for WebSphere Process Server V6.2.0.2 on SUSE 11 s390x", "Simulated Scalable Environment for WebSphere Process Server V7.0.0.2 on SUSE 11 s390x", "Single Server for WebSphere Process Server V6.2.0.2 on SUSE 11 s390x", "Single Server for WebSphere Process Server V7.0.0.2 on SUSE 11 s390x", "WPS6.2 Simple Cluster Scripted", and "WebSphere ProcServer 6.2.0.2 for SLES11 s390x Clone and Extend 1". Each item has a small icon to its right. In the center of the main content area, there is a text overlay: "Select an item from the list for details and options". At the bottom of the interface, there is an "IBM." logo on the left and a "WebSphere." logo on the right. The status bar at the very bottom shows "Done" on the left and system icons on the right.

Less than 90 minutes from bare hypervisor to application log-on... Add Application Deployment to the Pattern

The screenshot displays the WebSphere CloudBurst management console in a Mozilla Firefox browser window. The browser address bar shows the URL `https://192.168.43.47/dashboard/patterns/#64`. The console interface includes a navigation menu with options like 'Welcome', 'Virtual Systems', 'Patterns', 'Environment Profiles', 'Catalog', 'Cloud', and 'Appliance'. The main content area is titled 'Copy of WebSphere ProcServer 6.2.0.2 for SLES11 s390x Clone a...'. It shows the current state of the pattern in the cloud, including the version 'WPS v6.2 on zOS DB2 WCA CLI/RAFW' and the instance name 'Sandy test clone/extend'. The access control section indicates that 'Administrator [owner]' has access, with an 'Add more...' button. The topology section states 'Deploys to zVM hypervisors.' and features a diagram with five components: 'Proxy server 6.2.0.2', 'Basic function nodes 6.2.0.2' (with a count of 2), 'Database 6.2.0.2', 'Deployment manager 6.2.0.2', and 'RealTimeClaimAdjudicationApp'. The IBM logo is visible in the bottom left corner, and the WebSphere logo is in the bottom right corner. The status bar at the bottom indicates 'Done'.

Less than 90 minutes from bare hypervisor to application log-on... Select WebSphere Process Server Gold Topology Deployed

The screenshot displays the WebSphere CloudBurst management interface. The main content area shows the details for a virtual system named "WPS v6.2 on zOS DB2 WCA CLI/RAFW".

Virtual Systems

- BuildForge_RAFW 7.1.2
- Sandy test clone/extend
- WPS v6.2 on zOS DB2 WCA CLI/RAFW**

WPS v6.2 on zOS DB2 WCA CLI/RAFW

- Created on: Dec 11, 2010 1:11:20 PM
- From pattern: Copy of WebSphere ProcServer 6.2.0.2 for SLES11 s390x Clone and Extend_1
- Using Environment profile: None provided
- Current status: The virtual system has been deployed and is ready to use
- Updated on: Jan 26, 2011 7:57:59 PM
- Access granted to: Administrator [owner]
- Snapshot: [Create](#) (none)

History The virtual system has been deployed and is ready to use

Virtual machines 5 total - 5 started

| Name | CPU | Memory | SSH | Actions |
|--|-----|--------|-------|---------|
| WPS v6.2 on zOS DB2 WCA CLI/RAFW KHHLN06 | 0% | 80% | Login | View |
| WPS v6.2 on zOS DB2 WCA CLI/RAFW KHHLN05 | 0% | 66% | Login | View |
| WPS v6.2 on zOS DB2 WCA CLI/RAFW KHHLN03 | 0% | 61% | Login | View |
| WPS v6.2 on zOS DB2 WCA CLI/RAFW KHHLN02 | 0% | 84% | Login | View |
| WPS v6.2 on zOS DB2 WCA CLI/RAFW KHHLN01 | 0% | 83% | Login | View |

IBM. WebSphere. Done

Less than 90 minutes from bare hypervisor to application log-on... Configure DB/2 on zOS

Integrated Solutions Console

View: All tasks

Resources

- Schedulers
- Object pool managers
- JMS
 - People directory provider
 - Extended messaging provider
 - WebSphere Business Integration Adapters
- JDBC
 - JDBC Providers
 - Data sources
 - Data sources (WebSphere Application Server V4)
 - Business Integration Data Sources
- Resource Adapters
- Asynchronous beans
- Cache instances
- Mail
- Remote artifacts
- URL
- Resource Environment

Security

Environment

Services

Integration Applications

System administration

Users and Groups

Monitoring and Tuning

Troubleshooting

Service integration

UDDI

Data Sources

The database configuration panel shows all data sources that have been configured

Reset Test Connection Edit Provider...

| Select | Component | Data Source | JNDI Name | Scope | Database Instance | Schema | Create Tables | User Name | Password | Server |
|--------------------------|--|--|---|---------------------------|-------------------|--------|--------------------------|-----------|----------|--------------|
| <input type="checkbox"/> | Business Process Choreographer | Business Process Choreographer data source | jdbc/BPEDB | Cluster=WPSGOLD.AppTarget | DSN8DRV1 | MIKEP | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | Business Process Choreographer reporting function | Business Process Choreographer reporting function source | jdbc/OBSVRDB_WPSGOLD.Support | Cell=CloudBurstCell | DSN8DRV1 | MIKEP | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | Business Process Choreographer ME data source | Business Process Choreographer ME data source | jdbc/com.ibm.ws.sib/WPSGOLD.Messaging-BPC.CloudBurstCell.Bus | Cluster=WPSGOLD.Messaging | DSN8DRV1 | C1BPC | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | Business Space data source | Business Space data source | jdbc/bpm/BusinessSpace | Cluster=WPSGOLD.Support | DSN8DRV1 | | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | Common Event Infrastructure | event | jdbc/cei | Cluster=WPSGOLD.Support | DSN8DRV1 | | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | Common Event Infrastructure CEI ME data source | CEI ME data source | jdbc/com.ibm.ws.sib/WPSGOLD.Messaging-CommonEventInfrastructure_Bus | Cluster=WPSGOLD.Messaging | DSN8DRV1 | C1CEI | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | Service Component Architecture SCA System Bus ME data source | SCA System Bus ME data source | jdbc/com.ibm.ws.sib/WPSGOLD.Messaging-SCA.SYSTEM.CloudBurstCell.Bus | Cluster=WPSGOLD.Messaging | DSN8DRV1 | C1SCA | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |
| <input type="checkbox"/> | WebSphere Process Server WBI Data Source | WBI Data Source | jdbc/WPSDB | Cell=CloudBurstCell | DSN8DRV1 | | <input type="checkbox"/> | MIKEP | ***** | 192.158.43.3 |

Total 0

Apply OK Reset Cancel

Less than 90 minutes from bare hypervisor to application log-on... Console View WPS Gold Topology

Integrated Solutions Console

View: All tasks

- Welcome
- Guided Activities
- Servers
 - Deployment Environments
 - Application servers
 - Generic servers
 - Proxy Servers
 - Version 5 JMS servers
 - Web servers
 - Clusters
 - Cluster topology
 - Generic Server Clusters
 - WebSphere MQ servers
- Core groups
- Applications
- Resources
- Security
- Environment
- Services
- Integration Applications
- System administration
- Users and Groups
- Monitoring and Tuning
- Troubleshooting
- Service integration
- UDDI

Cluster Topology

This page displays the list of application server clusters in a tree format.

Local Topology

- Cell
 - WPSGOLD.Messaging
 - Nodes
 - CloudBurstNode02 (ND 6.1.0.25, Process Choreographer 6.2.0.2, WPS 6.2.0.2, WS FEP 6.1.0.25)
 - Cluster members
 - WPSGOLD.Messaging.CloudBurstNode02.0
 - CloudBurstNode01 (ND 6.1.0.25, Process Choreographer 6.2.0.2, WPS 6.2.0.2, WS FEP 6.1.0.25)
 - Cluster members
 - WPSGOLD.Messaging.CloudBurstNode01.0
 - WPSGOLD.Support
 - Nodes
 - CloudBurstNode02 (ND 6.1.0.25, Process Choreographer 6.2.0.2, WPS 6.2.0.2, WS FEP 6.1.0.25)
 - Cluster members
 - WPSGOLD.Support.CloudBurstNode02.0
 - CloudBurstNode01 (ND 6.1.0.25, Process Choreographer 6.2.0.2, WPS 6.2.0.2, WS FEP 6.1.0.25)
 - Cluster members
 - WPSGOLD.Support.CloudBurstNode01.0
 - WPSGOLD.AppTarget
 - Nodes
 - CloudBurstNode02 (ND 6.1.0.25, Process Choreographer 6.2.0.2, WPS 6.2.0.2, WS FEP 6.1.0.25)
 - Cluster members
 - WPSGOLD.AppTarget.CloudBurstNode02.0
 - CloudBurstNode01 (ND 6.1.0.25, Process Choreographer 6.2.0.2, WPS 6.2.0.2, WS FEP 6.1.0.25)
 - Cluster members
 - WPSGOLD.AppTarget.CloudBurstNode01.0

Less than 90 minutes from bare hypervisor to application log-on... Install the Real Time Claims Application

The screenshot shows the Integrated Solutions Console interface. On the left is a navigation tree with categories like 'View: All tasks', 'Welcome', 'Guided Activities', 'Servers', 'Applications', 'Resources', 'Security', 'Environment', 'Services', 'Integration Applications', 'System administration', 'Users and Groups', 'Monitoring and Tuning', 'Troubleshooting', 'Service integration', and 'UDDI'. The main area displays the 'Enterprise Applications' page, which includes a toolbar with buttons for Start, Stop, Install, Uninstall, Update, Rollout Update, Remove File, Export, Export DDL, and Export File. Below the toolbar is a table of installed applications. The application 'RealTimeClaimAdjudicationApp' is circled in red. The table also shows other applications like AppScheduler, BPCECollector, BPCEExplorer, BPEContainer, BusinessRulesManager, BusinessSpaceManager, ClaimAdjudicationApp, HTM_PredefinedTaskMsg, HTM_PredefinedTasks, IBM_BSPACE_WIDGETS, REST Services Gateway, RemoteAccess, TaskContainer, persistentLkMqr, sca.sib.mediation, and wpsFEMqr. The total number of applications is 17.

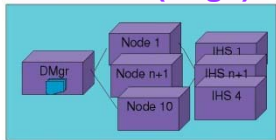
| Select | Name | Application Status |
|--------------------------|--|--------------------|
| <input type="checkbox"/> | AppScheduler | ↕ |
| <input type="checkbox"/> | BPCECollector_WPSGOLD.Support | ↕ |
| <input type="checkbox"/> | BPCEExplorer_WPSGOLD.Support | ↕ |
| <input type="checkbox"/> | BPEContainer_WPSGOLD.AppTarget | ↕ |
| <input type="checkbox"/> | BusinessRulesManager_WPSGOLD.Support | ↕ |
| <input type="checkbox"/> | BusinessSpaceManager | ↕ |
| <input type="checkbox"/> | ClaimAdjudicationApp | ↕ |
| <input type="checkbox"/> | HTM_PredefinedTaskMsg_V620_WPSGOLD.AppTarget | ↕ |
| <input type="checkbox"/> | HTM_PredefinedTasks_V620_WPSGOLD.AppTarget | ↕ |
| <input type="checkbox"/> | IBM_BSPACE_WIDGETS | ↕ |
| <input type="checkbox"/> | REST Services Gateway | ↕ |
| <input type="checkbox"/> | RealTimeClaimAdjudicationApp | ↕ |
| <input type="checkbox"/> | RemoteAccess | ↕ |
| <input type="checkbox"/> | TaskContainer_WPSGOLD.AppTarget | ↕ |
| <input type="checkbox"/> | persistentLkMqr | ↕ |
| <input type="checkbox"/> | sca.sib.mediation | ↕ |
| <input type="checkbox"/> | wpsFEMqr_6.2.0 | ↕ |

Total 17

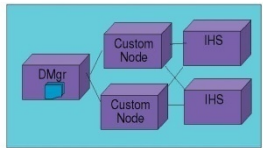
Pilot Scenario

From WebSphere Patterns to Virtual Systems Application Logon...

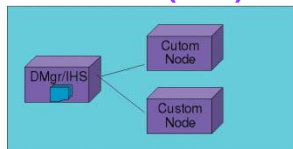
WebSphere Cluster Pattern (large)



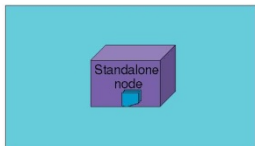
WebSphere Cluster Pattern



WebSphere Cluster Pattern (Dev)



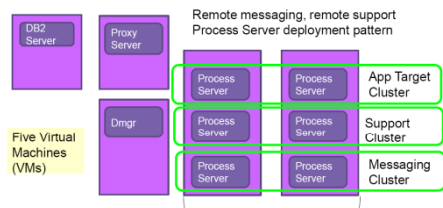
WebSphere Single Server Pattern



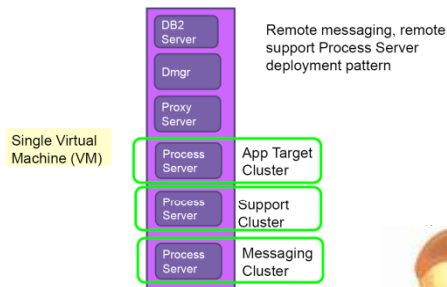
Human: Starts deployment on WebSphere CloudBurst



WebSphere Process Server Gold Topology Pattern



WebSphere Process Server Development Topology



WebSphere CloudBurst:

1. Connects to z/VM hypervisors
2. Creates virtual machines
4. Runs configuration scripts
 - Assign environmental variables
 - Connect WPS to DB2 server on z/OS
5. Runs Real-time Claims WPS application deployment scripts
6. Starts VMs and WPS

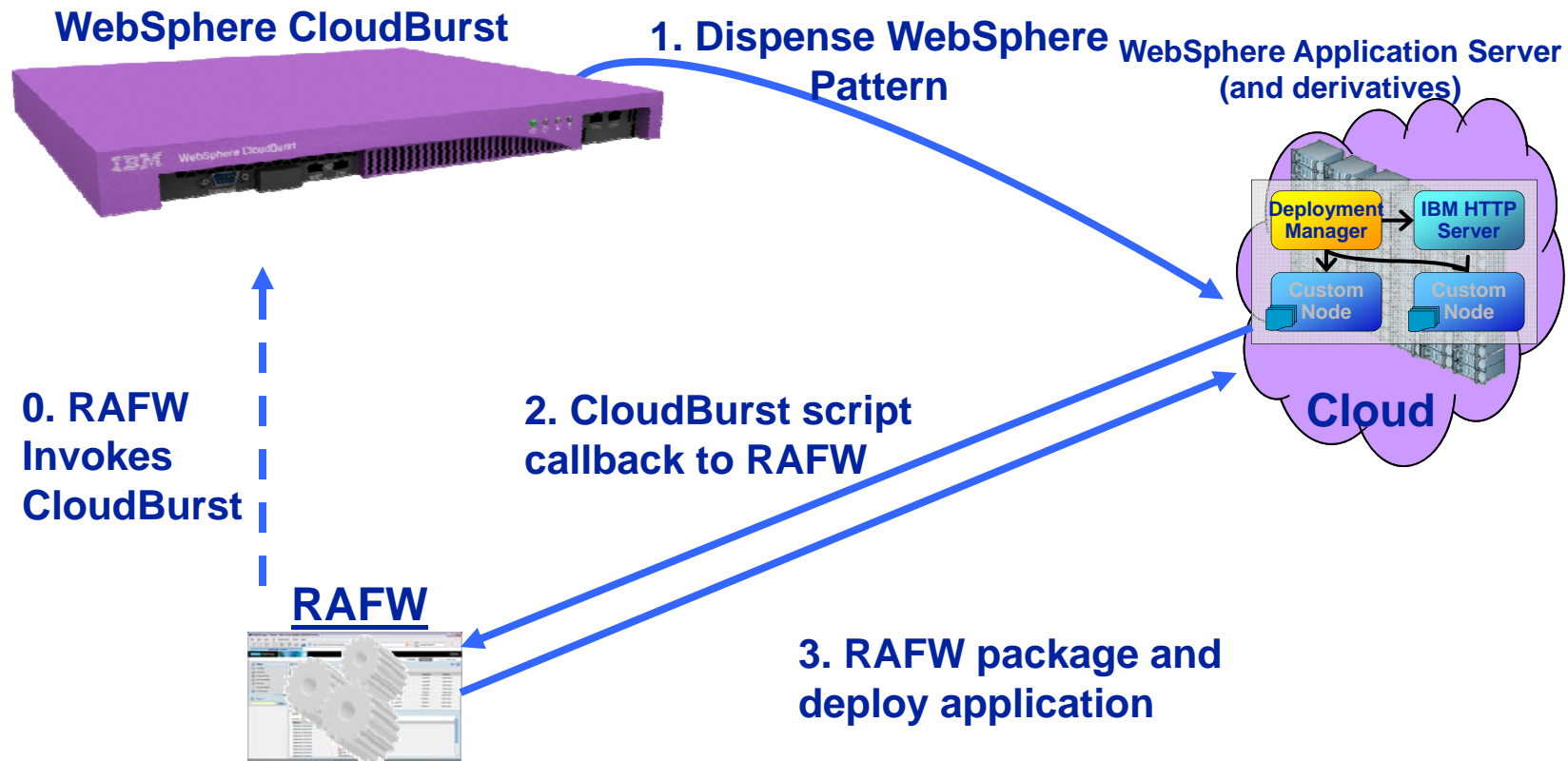


Human:

7. Log onto WPS Business Process Choreographer
8. Manually submit Claims
9. Real Time Claims Application
 - Processes one valid claim
 - Processes one invalid claim
10. View results on WebSphere Business Process Choreographer



Rational Automation Framework for WebSphere and WebSphere CloudBurst



Note: This scenario can be extended to include additional Rational components including Rational Asset Manager, Rational AppScan, and Rational Software Architect as well as Build Forge for scheduling, tracking and auditing of changes

90 minutes from Cloudburst Appliance Patterns to Real Time Claims Application on WPS Gold Topology... ..

High Level Configuration....

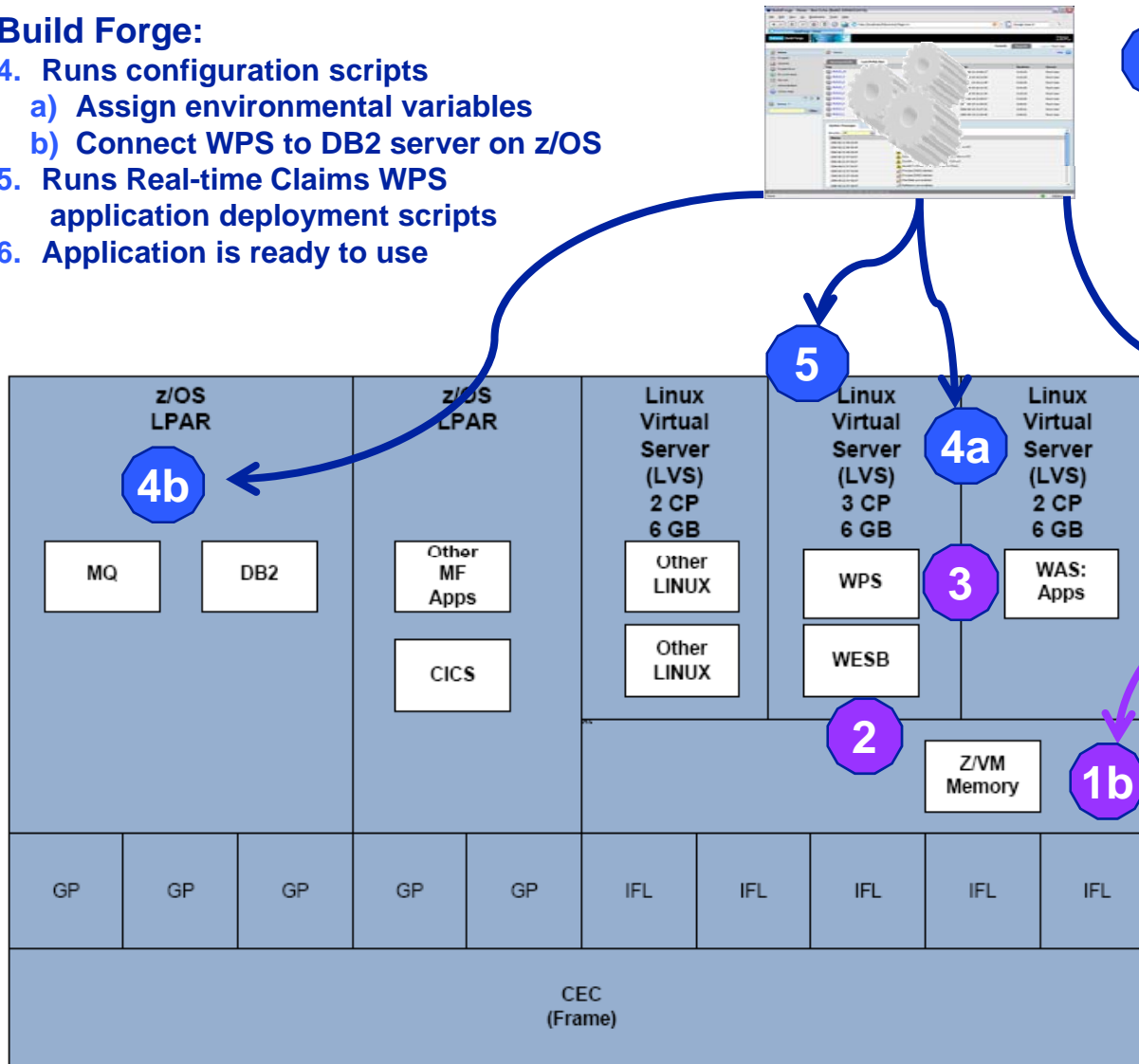
Build Forge:

4. Runs configuration scripts
 - a) Assign environmental variables
 - b) Connect WPS to DB2 server on z/OS
5. Runs Real-time Claims WPS application deployment scripts
6. Application is ready to use



Human:

1. Start RAFW on Build Forge which invokes WebSphere CloudBurst
6. Logs on to the WebSphere Process Server Application



WebSphere CloudBurst:

1. Connects to z/VM hypervisors
2. Creates virtual machines for:
 - WebSphere Process Server HypervisorEdition
 - WebSphere Application Server HypervisorEdition
3. Starts VMs and WAS

For separation of concerns and “one click” deployment... RAFW Build Forge Project to deploy from WCA



BuildForge - Projects - Mozilla Firefox
 http://192.168.43.42/fullcontrol/index.php?mod=projects

BuildForge - Projects

Home Projects Add Project Filter Showing 1 - 11 of 11 Auto Paginate Page 1 of 1

| Project | Snapshot | Tag | Class | Environment | Selector | Access |
|--|---------------|--------------------------------|------------|-------------------------------|----------|----------------|
| RAFW_EnvironmentGenerationWizard | Base Snapshot | RAFW_Environm...tionWizard_\$B | Production | RAFW_Environm...erationWizard | RAFW | Build Engineer |
| RAFW_RTC_zOS_DEMO_CloudBurstCell | Base Snapshot | RAFW_RTC_zOS_...dBurstCell_\$B | Production | RAFW_RTC_zOS_...loudBurstCell | RAFW | Build Engineer |
| RAFW_zOS_RTC_CloudBurstCell | Base Snapshot | RAFW_zOS_RTC_...dBurstCell_\$B | Production | RAFW_zOS_RTC_...loudBurstCell | RAFW | Build Engineer |
| WCA_ENV_GEN | Base Snapshot | WCA_ENV_GEN_\$B | Production | WCA_ENV_GEN_DATA | RAFW | Build Engineer |
| WCA_ENV_UPDATE | Base Snapshot | WCA_ENV_UPDATE_\$B | Production | WCA_ENV_GEN_DATA | RAFW | Build Engineer |
| compare cell config | Base Snapshot | COMPARE_CELL_CONFIG_\$B | Production | RAFW_101105a_...loudBurstCell | RAFW | Build Engineer |
| compare variables | Base Snapshot | COMPARE_VAR_\$B | Production | RAFW_DEMO_CloudBurstCell | RAFW | Build Engineer |
| deploy | Base Snapshot | API_DEPLOY_\$B | Production | | khlin08 | Build Engineer |
| list datasources | Base Snapshot | LIST_DATASRC_\$B | Production | RAFW_zOS_RTC_...loudBurstCell | RAFW | Build Engineer |
| rtc_app_installer | Base Snapshot | RTC_APP_INST_\$B | Production | RAFW_zOS_RTC_...loudBurstCell | RAFW | Build Engineer |
| rtc_db_prep | Base Snapshot | RTC_DB_SWITCH_\$B | Production | RAFW_zOS_RTC_...loudBurstCell | RAFW | Build Engineer |

Project: Add Project Save Create New Snapshot Make Default Copy Project Delete Project Clobber

Project Details Tags Registers Notes (0) Snapshot

Name: Access: Build Engineer Disable

Max Threads: Unlimited Class: Production Start Notify: -- None --

Run Limit: Unlimited Selector: RAFW Pass Notify: -- None --

Pass Chain: -- None -- Environment: -- None -- Fail Notify: -- None --

Fail Chain: -- None -- Sticky: Not Sticky

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Done

Common, consistent, controlled and optimized provisioning for zLinux Immediate Value in Virtualized WebSphere Environments



WebSphere CloudBurst Appliance

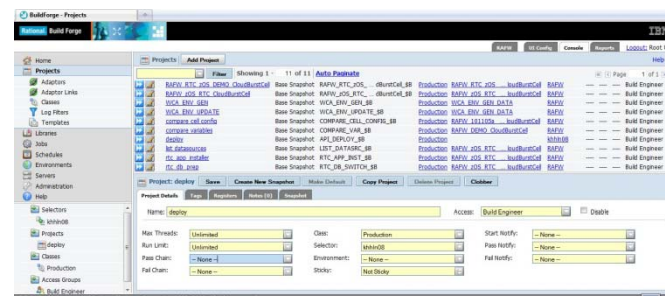
- Secure cloud management appliance
- Codify the zSeries middleware and application infrastructure for reduced deployment risk
- Dispenses WebSphere virtual image software in minutes
- Simplified maintenance and management with practical immediate decommissioning and subsequent re-commissioning while managing software licenses in the cloud

IBM Hypervisor Edition Products

- New editions of IBM products optimized for virtualized environments
- Pre-configured, ready to run on a hypervisor
- Virtual image software supported and maintained by IBM
- Can be extended with custom Hypervisors for customer critical non IBM products

Rational Build Forge with RAFW

- Automates software production
- Eliminates manual, error prone tasks
- Reduces maintenance of proprietary homegrown scripts
- Utilizes existing tools, scripts and hardware
- Provides repeatable and consistent processes for improved efficiency
- Captures self-documenting data/audit trail
- Enables team members with self-service capabilities



“Fit for Purpose Virtualization” Provisioning on zSeries... Realized with Build Forge, RAFW and Cloudburst Appliance

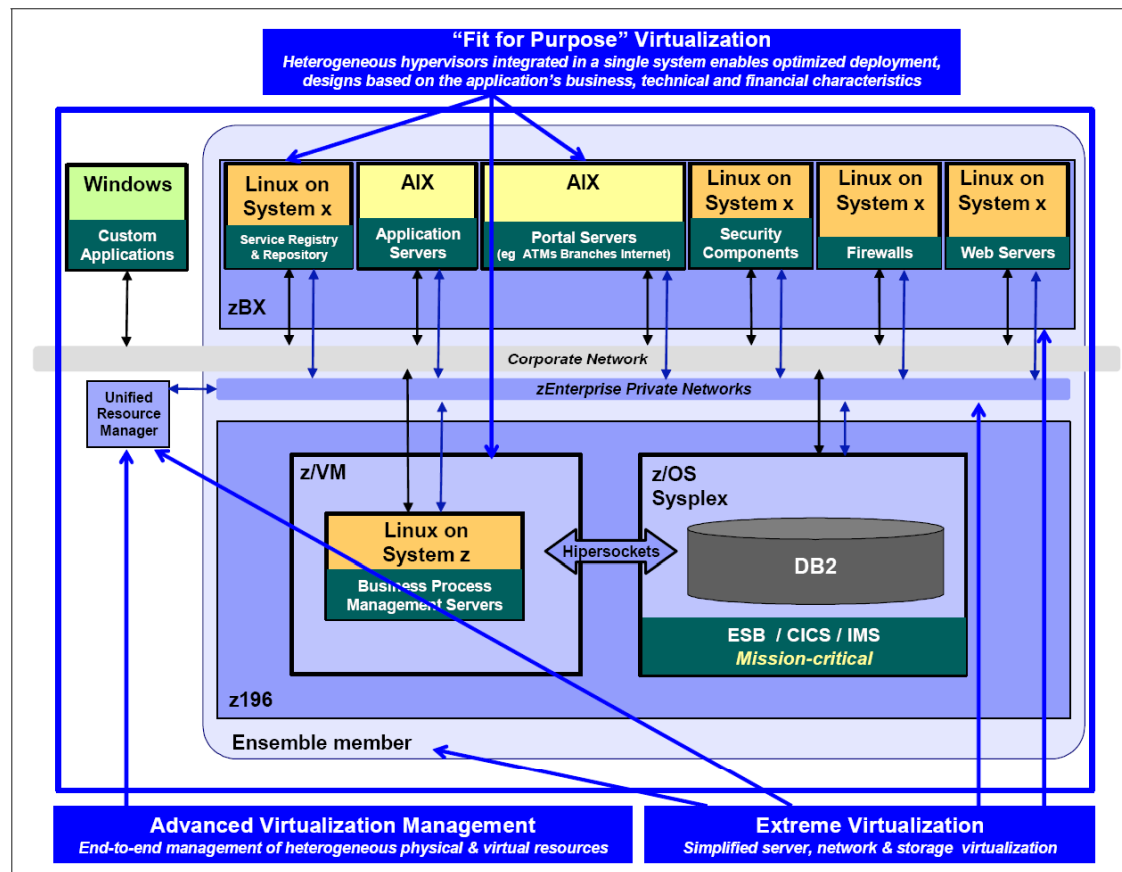
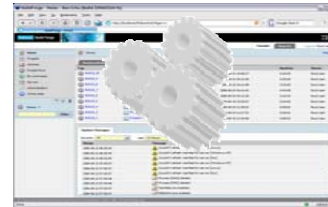


Figure 9 IBM zEnterprise virtualization: real business value for today's heterogeneous applications

Common, consistent, controlled and optimized provisioning across hypervisor platforms

