



**The Iam Lotus User Group**

# **IBM Connections Administration Tips, Tricks and Essential Skills**

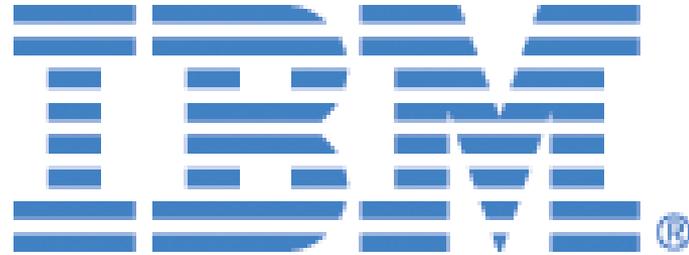
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# What We'll Cover ...

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- **The Four Spheres of Administration**
- **IBM WebSphere Administration**
- **IBM Connections - UI based Administration**
- **IBM Connections – the Command Line**
- **Tips, Tricks and Must-Does**
- **Wrap-up/Summary/Questions (you choose)**

# The Four Levels of Administration

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## •BM WebSphere Administration

- ◆ The IBM Console
- ◆ WebSphere commands – Command line Glory

## •IBM Connections - UI based Administration

- ◆The UI – what can you do as an administrator?

## •IBM Connections – the Command Line

- ◆ Wsadmin commands and WebSphere commands - access to the guts of Connections

## •The Database

- ◆ When nothing else helps – you go to the source . . .

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# WebSphere – Lift the Veil of your new Bride ....

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- **What is WebSphere?**
- **The Lingo**
- **The IBM Console**
- **Some WebSphere Resources**

## Why WebSphere and What is it?

♦ Simply put – if you want to administrate Connections you need to know WebSphere – it is where it all begins.

## WebSphere in Lay Terms

- WebSphere is both a brand and a technology. The WebSphere brand covers a whole host of technologies that come together to create business solutions. For example, IBM Connections is a business solution -- underneath the covers it uses WebSphere Application Server (WAS), which is a runtime environment that Connections runs on.
- WAS provides a bunch of services (called J2EE) that Java applications use. Services like database access, mail services and security services. Without an application WAS does nothing – it has an administration interface but, unlike Domino you can't "do" anything with out of the box without an application. Simply put, WebSphere runs Java (J2EE) programs.

# WebSphere – The Lingo

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## •Some WAS Terminology:

- ♦**Node** – an individual system, either physical or virtual
- ♦**Node Manager** – the process controlling the individual node and all servers in all cells, it executes the commands of the Deployment Manager
- ♦**Profile** – a WebSphere entity similar to a node
- ♦**Application Server** – a Java Virtual Machine process
- ♦**Application** – a Java server application
- ♦**Cluster** – a group of Servers, all running the same applications
- ♦**Cell** – an administrative domain of one or more servers
- ♦**Deployment Manager (DM)** – the administration application for a cell

# WebSphere: The short of it ...

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**How do all these pieces work together?**

**“Multiple Nodes in a Cell run Servers that contain Applications. All pieces are controlled via the Deployment Manager”**

# The IBM Console

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## •Your Graphical Interface to control WebSphere

- ♦In network deployments the only server running an IBM console is the Deployment Manager
- ♦The default administrator for WebSphere is called “wasadmin”, you need that account to administrate through the Console and via the command line
- ♦The IBM console runs **ONLY** on the DM, it is where all administration takes place
- ♦The console is what stands between you and a whole bunch of XML files that would would have to edit manually otherwise . . .

# WebSphere – your first tip ....

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## •Security comes first

### ♦The first thing to do after you set up WebSphere:

- ▶ **Create individual WebSphere administration accounts for all admins**
- ▶ **Synch all the nodes BEFORE you take the next step**
- ▶ **Change the wasadmin password and keep it secret ....**

### ♦Give each admin only the rights they need ....

### ♦Take a backup before doing this, DELETE it after you verified everything works ....

# Useful WebSphere Resources

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## •Product Homepage

- ◆ <http://www-01.ibm.com/software/websphere/>

## •WebSphere 7 Infocenter

- ◆ <http://pic.dhe.ibm.com/infocenter/wasinfo/v7r0/index.jsp>

## •IBM Developerworks – Websphere

- ◆ <http://www.ibm.com/developerworks/websphere/>

## •WebSphere Related WIKIS:

- ◆ <https://www.ibm.com/developerworks/community/wikis/home?lang=en#!/public?sort=updated&tag=websphere>

## •WebSphere Forums and Community:

- ◆ <http://www.ibm.com/developerworks/websphere/community/>

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# IBM Connections – The UI

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## •Being an Admin of Connections Features lets you

### ◆Homepage

- ▶ Add/remove Widgets

### ◆Metrics

- ▶ Review global system Metrics

### ◆Blogs

- ▶ Basic settings, theme settings, administrate individual users' blogs

### ◆Communities

- ▶ Add sources to catalog crawler

# IBM Connections – The UI

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- ..... continued

- ◆Activities

- ▶ Access to public trash

- ◆Mobile / MobileAdmin

- ▶ Access via <https://<connectionsurl>/mobileAdmin/login>
- ▶ Devise security, settings, users, wipe commands,

- ◆WIKIS

- ▶ Some special rights in individual WIKIS, even those you do not own (version control, etc.)

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# IBM Connections – the Command Line

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- **Command Line Commands come in two Flavors**
  - ◆ **wsadmin commands**
    - ▶ **Works with Connections internal data and settings**
  - ◆ **WebSphere Command Line tools**
    - ▶ **Works with WebSphere settings and capabilities, not directly related to Connections data**

# Command Line - wsadmin

## •wsadmin – what is it?

- ♦A command shell to administrate aspects of a WebSphere Application Server Cell

- ♦Can invoked to execute scripts written in [JACL](#) or [JYTHON](#)

- ♦Can execute almost all actions of the IBM Console and many that the console is not able to

- ♦We will concentrate on Connections specific wsadmin commands today

- ▶**Note:** ALWAYS execute wsadmin commands on the Deployment Manager (DM) and only in the DM's /bin directory – be careful if you run a managed node on the same server as the DM!

# wsadmin .... by the book

- **How to execute the WSADMIN command shell**
- ♦ **Go to DM executable folder, execute the wsadmin and initiate a Connections app and run a Connections command . . .**

```
victor@vthome302:/opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin
[victor@vthome302 bin]$ cd /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin
[victor@vthome302 bin]$ ./wsadmin.sh -lang jython -user wasadmin -password passw
ord1 -port 8879
WASX7209I: Connected to process "dmgr" on node vthome302CellManager01 using SOAP
connector; The type of process is: DeploymentManager
WASX7031I: For help, enter: "print Help.help()"
wsadmin>execfile ("connectionsConfig.py")
Connections Administration initialized

wsadmin>LCConfigService.checkOutConfig("/opt/IBM/connectexport/xml","vthome302Ce
ll01")
Connections configuration file successfully checked out
wsadmin>
```

**It's by the book, but a bit sloooooow . . .**

# Wsadmin ... One Step up

- wsadmin command executed ... call the Jython script as a profile and save a step:

```
victor@vthome302:/opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin
[victor@vthome302 bin]$ cd /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin
[victor@vthome302 bin]$ ./wsadmin.sh -lang jython -user wasadmin -password password1 -profile connectionsConfig.py
WASX7209I: Connected to process "dmgr" on node vthome302CellManager01 using SOAP connector; The type of process is: DeploymentManager
Connections Administration initialized

WASX7031I: For help, enter: "print Help.help()"
wsadmin>LCConfigService.checkOutConfig("/opt/IBM/connectexport/xml","vthome302Cell01")
Connections configuration file successfully checked out
wsadmin>
```

**Faster - you save a step, but . . . is there another way?**

# Wsadmin ... Run it all in one command!

- You can call the Jython script as a profile AND execute a command all in one line ... save yourself some time and have a coffee!

```
victor@vthome302:/opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin

[victor@vthome302 bin]$ cd /opt/IBM/WebSphere/AppServer/profiles/Dmgr01/bin
[victor@vthome302 bin]$ ./wsadmin.sh -lang jython -user wasadmin -password password1 -profile connectionsConfig.py -c "LCConfigService.checkOutConfig('/opt/IBM/connectexport/xml','vthome302Cell01')"
WASX7209I: Connected to process "dmgr" on node vthome302CellManager01 using SOAP connector; The type of process is: DeploymentManager
Connections Administration initialized

Connections configuration file successfully checked out
[victor@vthome302 bin]$

[victor@vthome302 bin]$ █
```

**OK, now this is fast – a one liner!**

# Wsadmin recap – choose how you want to run it

• You have three options how to initiate wsadmin and call Jython scripts to then execute a Connections Commands:

♦ 3-Step: By The Book / WIKI:

- ▶ `./wsadmin.sh -lang jython -user wasadmin -password password1 -port 8879`
- ▶ `execfile ("connectionsConfig.py")`
- ▶ `LCConfigService.checkOutConfig("/opt/IBM/connectexport/xml","vthome302Cell01")`

♦ 2-Step: Launch a Profile:

- ▶ `../wsadmin.sh -lang jython -user wasadmin -password password1 -profile connectionsConfig.py`
- ▶ `LCConfigService.checkOutConfig("/opt/IBM/connectexport/xml","vthome302Cell01")`

# Wsadmin recap ... continued

## ♦ 1-Step: The “All-in-One” Option

```
▶ ./wsadmin.sh -lang jython -user wasadmin -password password1 -profile  
connectionsConfig.py -c  
"LCConfigService.checkOutConfig('/opt/IBM/connectexport/xml','vthome302Cell01')
```

**This is the option you want to use to create  
batch files and scripts to chain wsadmin  
commands!**

**Note: Sometimes you have to experiment with the order of  
the [“] and [”] in the command – look at the commands I  
share in the end for examples**

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# Tips, Tricks and Must-Does ... The Beginning

## •Dr. Vic's basic rules - 'Thou Shalt':

- ♦Create separate IBM console admins accounts for all staff - **INCLUDING YOURSELF** (covered earlier) – Keep the wasadmin account separate and don't mess with it.
- ♦All wsadmin commands **MUST** be run on the DM, or they will not work and will create allot of errors
- ♦Learn command line basics for WebSphere, do not rely on **ONLY** the graphical interface, allot of things cannot be done there or not with the same detailed variables
- ♦Take frequent back-ups (I'll teach you later how) when making system or security level changes, you will regret it otherwise

# 'Thou shalt' ... continued

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## •More of Dr. Vic's rules:

- ♦Clean up after yourself and don't litter the WebSphere server with endless variants of back-uped/saved versions of configuration files. (I.e 'files-config.xml.bak.thisis mysafebackup', etc.) sometimes WebSphere picks them up and you have no clue as to why a change did not work .... and it just looks untidy! Yuck!
- ♦Build a test/Dev system – you need a safe place to test changes in. Don't be the “I do all my test on live systems” guy/girl . . .
- ♦Keep records of ALL changes you make – even the small ones – you will need to back-track your steps OFTEN

# Tips/Tricks – Connections Config Files

## •Exporting Connections Configuration Files

♦DO NOT make a habit of copying/ftp Connections configuration xml files up-and-down from servers – export and then import them

- ▶Ensures you always have the **CORRECT** active version
- ▶Import checks for formatting errors and kicks them back at you (important for UNIX environments especially!!)
- ▶Makes sure you have a back-up of the **ORIGINAL** xml files from the install **BEFORE** you first worked on them ... you might need to know what the default setting is at some time.

# Connections Config Files ... continued

## •Export command

- ◆ Have a default location on your DM to export/import files (for me '/opt/IBM/connectexport/xml')
  - ▶ Check-out:
  - ▶ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile connectionsConfig.py -c "LCConfigService.checkOutConfig('/opt/IBM/connectexport/xml','vthome302Cell01')"`
  - ▶ Check-in:
  - ▶ `./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile connectionsConfig.py -c "LCConfigService.checkInConfig('/opt/IBM/connectexport/xml','vthome302Cell01')"`

# Import / Export Ear Files

## •You need to know this – EAR files are all-mighty

- ♦ Ear files are not specific to any one WebSphere environment, they can be exported on one environment and imported into another one **WITHOUT** any problem
- ♦ Only become environment specific if **YOU** put specific customizations into it
- ♦ This is a combination of **WAS** specific wsadmin commands **AND** WebSphere native scripts!
- ♦ The commands contain the path to specific local folders, be sure they exist and **DO NOT CHANGE THEM** - it is important that all back-ups etc. are contained in one location so you do not have to hunt all over the file system for them.
- ♦ [ /opt/IBM/connectexport/ear] – my default location to export all ear files to
- ♦ [ /opt/IBM/connectexport/ear/exp-xxx] separate folder for each expanded feature/ear file (create manually if it does not exist)
- ♦ **All** commands must be executed while residing in the DM /bin, otherwise the the wsadmin commands will fail with cryptic errors

# Import / Export Ear Files ... continued

## • Example using COMMUNITIES

- ◆ Export ear file
  - ▶ `./wsadmin.sh -user wasadmin -password password1 -c '$AdminApp export Communities /opt/IBM/connectexport/ear/communities.ear'`
- ◆ Expand Ear file (so you can work on it)
  - ▶ `./wsadmin.sh -user wasadmin -password password1 -c '$AdminApp export Communities /opt/IBM/connectexport/ear/communities.ear'`
- ◆ Collapse/Repack ear file
  - ▶ `./EARExpander.sh -ear /opt/IBM/connectexport/ear/communities.ear -operationDir /opt/IBM/connectexport/ear/exp-communities -operation collapse`
- ◆ Install / re-import into WAS after change
  - ▶ `./wsadmin.sh -user wasadmin -password password1 -c '$AdminApp install /opt/IBM/connectexport/ear/communities.ear {-update -appname Communities}'`

# Sync Features with LDAP / Profiles

- **Sync commands help keep the feature dB user entries synchronized with LDAP / Profiles**
- ♦ **Documentation days to run them whenever user errors appear in the log files ... I run them 1 – 3 times a week**
- ♦ **Can be run for each feature individually or a a batch file – I always run batch files and synchronize ALL features**
  - ▶ **Note: not all features have synch commands as several features share databases (News, Homepage, etc.)**
- ♦ **If you have clustered WebSphere servers that are all running, you will need to be there to respond to the system prompts!**
- ♦ **Different ways of synchronizing are possible – review the batch files in the end of the presentation**

# Sync Features ... continued

## • Example how to sync Communities

- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile communitiesAdmin.py -c "CommunitiesMemberService.syncAllMembersByExtId({'update OnEmailLoginMatch':'true'})"`
  - ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile communitiesAdmin.py -c "CommunitiesMemberService.syncAllMemberExtIds()"`
- ▶ Run both commands but not right after each other, leave some time between them.
- ▶ Do not run the commands simultaneously on separate cluster members → **BIG PROBLEM!**

# Sync Features ... continued

## •Sync Script 1:

- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile filesAdmin.py -c "FilesMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile communitiesAdmin.py -c "CommunitiesMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile activitiesAdmin.py -c "ActivitiesMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile blogsAdmin.py -c "BlogsMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile dogearAdmin.py -c "DogearMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile forumsAdmin.py -c "ForumsMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile newsAdmin.py -c "NewsMemberService.syncAllMemberExtIds()"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile wikisAdmin.py -c "WikisMemberService.syncAllMemberExtIds()"`

# Sync Features ... continued

## •Sync Script 2:

- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile wikisAdmin.py -c "WikisMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile newsAdmin.py -c "NewsMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile forumsAdmin.py -c "ForumsMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile filesAdmin.py -c "FilesMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile communitiesAdmin.py -c "CommunitiesMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile dogearAdmin.py -c "DogearMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile blogsAdmin.py -c "BlogsMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`
- ♦ `./wsadmin.sh -lang jython -user wasadmin -password password1 -profile activitiesAdmin.py -c "ActivitiesMemberService.syncAllMembersByExtId({'updateOnEmailLoginMatch':'true'})"`

# Command Line Node Synchronization

•When the synch commands in the GUI just do not appear to get the job done ...

- ♦ `./syncNode.sh [IP or FQHN] 8879 -conntype SOAP -username wasadmin -password password1`
  - ▶ Replace the [IP or FQHN] with either an IP or a fully qualified DNS name – do not include the square brackets
  - ▶ Requires the Nodemanager to be stopped, but the DM **MUST** be running
  - ▶ If the node and DM share the same physical server you can enter **LOCALHOST** as an address

♦Remove all files in the `/opt/IBM/WebSphere/Appserver/profiles/AppServ01/wstemp` first

# Scheduled Tasks

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- **All Features have scheduled tasks that update data or run clean-ups**
- **Clear these lists when actions are not happening or if you see issues with upgrades**
- **They are recreated the next time the feature is restarted**
- ♦ **Tip1:** I remove ALL scheduled tasks prior to ANY iFix installs or CR upgrades
- ♦ **Tip2:** If you are upgrading Connections to a new version, remove all tasks prior to shutting down for the dB migration. Run it once more **AFTER** starting the upgraded system and restart once more.

# Scheduled Tasks ... continued

- ◆ Initialize wsadmin and call the Connections config script
  - ▶ `./wsadmin.sh -lang jython -user wasadmin -password ***** -port 8879`
  - ▶ `execfile ("connectionsConfig.py")`
- ◆ List all Scheduled Tasks:
  - ▶ `Scheduler.listAllTasks()`
- ◆ Clear all Scheduled Tasks
  - ▶ `Scheduler.clearAllTasks()`

You can delete the tasks while your servers  
Are running, just restart the clusters to  
Recreate the tasks

# WebSphere Server command line utilities

## •Nodemanager commands

◆Stop Nodemanager AND all running servers simultaneously

▶ **./stopNode.sh -stopservers -username wasadmin -password password1**

◆Check status of ALL servers (incl. DM and nodemanagers)

▶ **./serverStatus.sh -all -username wasadmin -password password1**

◆ Check status of a single server (incl. DM or nodemanagers)

▶ **./serverStatus.sh [servername] -username wasadmin -password password1**

# Add a WAS Service to Windows – the quick way

- **Now something JUST for Windows**

- ♦ **WASServicecmd.exe is a front-end utility for the native WebSphere WASService.exe**

- ♦ **It can add AND remove WebSphere servers/nodemangers/DMs as Windows services**

<http://www-01.ibm.com/support/docview.wss?uid=swg21397335>

**Best practices suggests NOT to add Servers, but only nodemangers and the DM as a service!**

# Lets change some Connections data . . . .

---

## •Update / Change Profiles data

Initiate wsadmin and the Profiles Admin Jython script

```
/wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile profilesAdmin.py
```

Edit BACKGROUND data in Profile

```
ProfilesService.updateExperience("ann_jones@company.com","This is new text that will be entered into the Background field for Ann.")
```

Edit "ABOUT ME" data of Profile:

```
ProfilesService.updateDescription("ann_jones@company.com","This is new text that will be entered into the About Me tab for Ann.")
```

Delete Photo in Profile

```
ProfilesService.deletePhoto("john_doe@company.com")
```

# Changing more Connections data . . . .

## •Update / Change Communities data

### Initiate wsadmin and the Profiles Admin Jython script

```
./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile communitiesAdmin.py
```

### Change name of a Community

```
CommunitiesService.updateCommunityName("Community NAME or UUID", "New Name")
```

### Edit "Description" of Community Profile:

```
CommunitiesService.updateCommunityDescription("Community NAME or UUID", "New description.")
```

### Delete Bookmarks in Community

This requires a two step process

```
removeurl= ["http://valid1.url.com", "http://valid2.url.com", "http://valid3.url.com"]
```

```
CommunitiesService.removeReferencesByUri("Community NAME or UUID",removeurl)
```

# Lets change some Connections data . . . .

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## •Update / Change BLOGS data

Initiate wsadmin and the Profiles Admin Jython script

```
/wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile profilesAdmin.py
```

Edit Blog handle

```
BlogsAdminService.renameWeblogHandle("<old_handle>", "<new_handle>")
```

Change the URL or blogs (system wide):

This is necessary if you change the base URL of the Connections system

```
BlogsAdminService.fixBrokenUrls(<replacePattern>, <replaceValue>)
```

# Lets Report on some settings and data . . . .

## •Report on Libraries ... all them files!!

### Get list of all orphaned personal file libraries:

```
./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile filesAdmin.py -c  
'FilesPrintService.saveToFile(FilesLibraryService.browsePersonalOrphan("size", "false", 1,  
100000), "/opt/IBM/PersonalLibraries-Orphans.csv")'
```

### List of All Community Libraries

```
./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile filesAdmin.py -c  
'FilesPrintService.saveToFile(FilesLibraryService.browseCommunity("size", "false", 1,  
100000), "/opt/IBM/CommunityLibraries.csv")'
```

# Lets Report on some settings and data . . . . continued

## •Report on Libraries ... more and morfe

### List of All User Libraries

```
./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile filesAdmin.py -c  
'FilesPrintService.saveToFile(FilesLibraryService.browsePersonal("size", "false", 1,  
100000), "/opt/IBM/PersonalLibraries.csv")'
```

### List of File/Libraries Policies

```
./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile filesAdmin.py -c  
'FilesPrintService.saveToFile(FilesPolicyService.browse("title", "true", 1,  
25), "/opt/IBM/LibraryPolicies.csv")'
```

# Files ... do you have Orphans?

- **Find and move all orphaned files to a separate location**

- ◆ `./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile filesAdmin.py -c`

- `'FilesDataIntegrityService.checkFiles("/opt/IBM/files_orphaned")'`

- ▶ **This can happen after dB crashes or Connections server failures – or after a migration.**

- ▶ **You will have to review the files manually and “just figure it out”**

# Files ... What are your Policies for Libraries?

## • Find and move all orphaned files to a separate location

♦ `./wsadmin.sh -lang jython -user wasadmin -password WAS@dmin -profile filesAdmin.py -c 'FilesPrintService.saveToFile(FilesPolicyService.browse("title", "true", 1, 25), "/opt/IBM/LibraryPolicies.csv")'`

♦ Or display it in the console

♦ `wsadmin>FilesPolicyService.browse("title", "true", 1, 25)`

♦ `[{maximumSize=2147483648, title=!Default for Community Files, id=00000000-0000-0000-0000-000000000001},`

♦ `{maximumSize=524288000, title=!Default for Community Wikis, id=00000000-0000-0000-0000-000000000003},`

♦ `{maximumSize=524288000, title=!Default for Non-Community Wikis, id=00000000-0000-0000-0000-000000000002},`

♦ `{maximumSize=10737418240, title=!Default for Personal Files, id=00000000-0000-0000-0000-000000000000}]`

# There is more ....

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## •My Script Library

- ◆ I will share more useful scripts on my blog site
- ◆ Wait until Friday .... then this URL will become active ... for 1 week then it disappears again .. until the next full moon!
- ◆ Go there and copy as much as you want – as long as you promise to share it with others!

<http://wp.me/PNbq6-f3>

# Slide Title

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- **First level text**
- ◆ **Second level text**
- ▶ **Third level text**
- ◆ **Second level text**
- **First level text**

# Resources

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- **My Blog:**

- ♦ <http://notesbusters.com>

- **Great WebSphere resource / Blog:**

- ♦ <http://www.themiddlewareshop.com>

- **WebSphere User Group**

- ♦ <http://www.websphereusergroup.com>

- **WebSphere WIKI**

- ♦ <http://www.bertucci.org>

# Follow Up



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