# Purpose:

This cookbook is used to install Installation manager, Websphere and create Websphere's profile.

# To run:

* You must be at cookbook's location
* run this command in shell

chef-client --local-mode --runlist 'recipe[was]'

# Recipes:

### default:

Checks machine pre requirements and include all recipes

### unzip:

Extracts IM file and 3 parts of was

### installIM:

Installs installation manager

### installWAS:

Installs Websphere Application Server

### profile:

Creates default profile

# Attributes:

|  |  |  |
| --- | --- | --- |
| Attribute | Description | Values |
| ['ibm'] | path of collactor of extracted files | home/ibm |
| ['pathIM'] | extract path of installation manager | home/ibm/IM |
| ['pathWas'] | extract path of WebSphere application server | home/ibm/WAS |
| ['unzip']['im'] | path of installation manager zipped file | home/InstalMgr1.6.2\_LNX\_X86\_64\_WAS\_8.5.5.zip |
| ['unzip']['p1'] | path of part1 of WAS zipped file1 | home/WAS\_V8.5\_1\_OF\_3.zip |
| ['unzip']['p2'] | path of part2 of WAS zipped file2 | home/WAS\_V8.5\_2\_OF\_3.zip |
| ['unzip']['p3'] | path of part3 of WAS zipped file3 | home/WAS\_V8.5\_3\_OF\_3.zip |
| ['install'] | path of file install of IM | home/ibm/IM/installc |
| ['imanger'] | path of installed IM | opt/IBM/InstallationManager/IMShared |
| ['appsrv'] | path of installed WAS | opt/IBM/WebSphere/AppServer |
| ['wasversion'] | WAS product and version | "com.ibm.websphere.BASE.v85" |
| ['profile']['name'] | default name of profile | "nodeProfile" |
| ['profile']['node'] | default cell name of profile | "cell01" |
| ['profile']['host'] | default localhost name of profile | "localhost" |
| ['profile']['admin']['name'] | default admin name | "wasadmin" |
| ['profile']['admin']['pass'] | default password of admin | "wasadmin" |

# Note:

To modify in paths you can find it in location of cookbook + '/cookbooks/attributes/attributes.rb'

# Directory structure and template files are given:

- <home> downloaded programs located

|

+-- <ibm>

|

+-- IM Installation manager extracted

|

+-- WAS Websphere extracted

- </> the paths of installation

|

+-- <opt>

|

+-- IBM

| +- InstallationManager Installation manager install

| +- WebSphere websphere install

# Limitation:

* Run cookbook as client so Chef should be installed.
* Assumed files downloaded in home directory.
* Run on Redhat OS only.
* Static destination directory and WAS profile info.

# Possible enhancement:

* FTP
* Make the cookbook run for any OS.
* Make the cookbook run from chef server.
* Take parameters from user.

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