

ADVANCED PEOPLESOFT ADMINISTRATION

psadmin.io

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 - Automation/DPK
 - Life Cycle Management
 - Fluid Navigation
- Oracle ACE
- 10+ years in PeopleSoft

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About **psadmin.io**

- Blog
- Podcast
- Community
- Training
- Coaching

Agenda

1. Deployment Packages
2. psadmin-plus
3. ACM
4. Headless Change Assistant

Deployment Packages

Deployment Packages

1. Delivered automation for building environments
2. Define your environments upfront
3. Implementation is abstracted
4. Consistent and repeatable infrastructure
5. Extend to customize your builds

Oracle's Usage

1. Building PeopleSoft Images
2. PeopleTools installation (Only Option 8.57+)
3. PeopleSoft Cloud Manager

Tools used

1. Puppet
2. Hiera
3. Facter
4. Python
5. ACM

8.57 Notes

1. New Puppet version 5
2. Root requirements moved to Python script
3. Bug fixes
4. No major structural changes

DPK Advantages

1. Consistent Configuration
2. Self Documenting
3. Faster Patching and Deployments
4. Version Control
5. Be "Cloud Ready"

Custom DPK Options

1. Custom configuration: `psft_customizations.yaml`
2. Customize Oracle Puppet Modules
3. Create your own Puppet Modules
4. Create custom ACM Plugins

Custom Usage

1. Deploy your own environment configurations
2. Custom Signon page
3. SSL Certificates
4. Custom Java Libraries

psadmin-plus

psadmin-plus

- psadmin-plus, or `psa`, is a psadmin helper script
- Great for completing multiple tasks in one command
- github.com/psadmin-io/psadmin-plus

psa help

```
$ psa help
```

```
Usage: psa [command] <type> <domain>
```

Commands:

help	display this help message
list	list domains
summary	PS_CFG_HOME summary, no type or domain needed
status	status of the domain
start	pooladd, if enabled, then start the domain
stop	poolrm, if enabled, stop the domain

...

Types:

app	act on application domains
prcs	act on process scheduler domains
web	act on web domains
all,<blank>	act on all types of domains

Domains:

dom	act on specific domains
all,<blank>	act on all domains

psa examples

- `psa help` - help menu
- `psa start` - start all domains on server
- `psa start web` - start all web domains on server
- `psa start web hdev` - start hdev web domain on server
- `psa bounce` - stop, cache, IPC, configure, start all domains

psa versions

- ruby - Linux, Windows
- old branches
 - bash
 - powershell
 - old multiple domain support

psa install

- Install Ruby, RubyGems...or use Puppet's
 - `export PATH=/opt/puppetlabs/puppet/bin:$PATH`
 - `$env:PATH += ";C:\Program Files\Puppet Labs\Puppet\sys\ruby\bin"`
- `gem install psadmin_plus`

NOTE: For Windows, you will need to [update the RubyGemsRootCA.pem](#), since the DPK ships an outdated version.

Demo

ACM

ACM Overview

Automated Configuration Management is an Application Engine which configures PeopleTools in your database. ACM will read configuration defined in tables and apply that configuration to a database.

1. Configure Integration Broker
2. Deploy Search Indexes
3. Update Web Profile

ACM Scope

1. PeopleTools

1. Integration Broker
2. Search Framework
3. Process Scheduler
4. More!

2. Application

1. AWE Configuration
2. URLs
3. ePro
4. More!

ACM Templates

Create logical groupings of ACM Plugins to run. Two examples:

- Refresh Templates
- Configuration Templates

ACM Plugins

`PTEM_CONFIG` is the app engine behind Automated Configuration Management.

`PTEM_CONFIG` runs ACM Plugins to configure the system.

Plugins are App Packages

1. SQL
2. PeopleCode
3. Component Interfaces

Running PTEM_CONFIG

1. Online
 1. Interactive
 2. Scheduled
2. Shell Script
3. Deployment Packages

ACM on the Command Line

- Call `psae` with `PTEM_CONFIG` as the Program ID
- Use `psrunACM.bat` under `PS_HOME\utilities`

Demo

ACM and DPK

- ACM is fully supported with DPK
- Uses configuration in YAML files
- Dynamically generates ACM template files
- Does not support custom ACM Plugs App Packages

Headless Change Assistant

Change Assistant

1. Create Change Package .zip Files
2. Manage Environments
3. Apply Change Packages
4. PeopleTools DB Upgrades/Patches
5. Export/Import CA Databases
6. Upload Customizations
7. **From the command line!**

Command Line Options

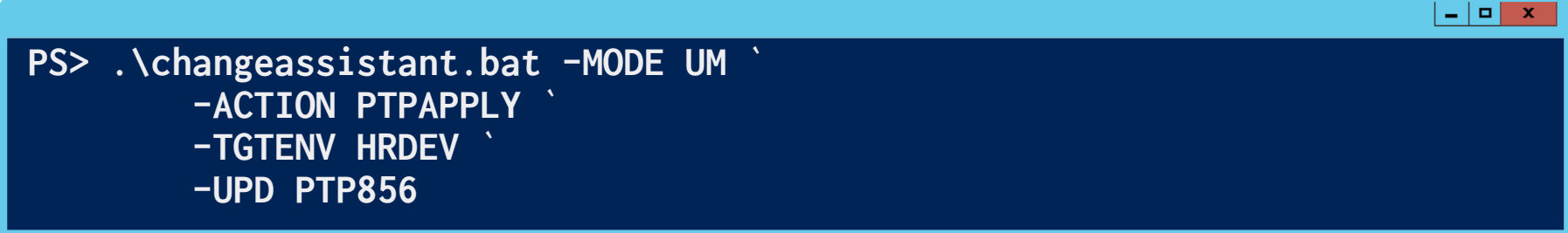
1. **UPLDTGT**: Upload Target database to PUM Source
2. **CPAPPLY**: Apply Previously Created (non-PRP) Change Package
3. **PTPAPPLY**: Apply a patch to your Current PeopleTools Release
4. **IMPCFG**: Import configuration
5. **IMPCUSTDATA**: Import customer data from the data file to the new PUM source
6. **EXPCUSTDATA**: Export customer data from existing PUM source and save it as a data file
7. **UPLDCUSTDATA**: Upload customer metadata and test data.

PT Patches and Upgrades

- PeopleTools Patches are fully headless
- PeopleTools Upgrades can be controlled headlessly
- 8.57 makes headless PT Upgrades easier

Headless PT Patch

- Choose "PeopleTools Patch" when installing Client
- Set the Download directory to `c:\PT8.56.08_Client_ORA\`
- CA looks for the `\PTP` directory



```
PS> .\changeassistant.bat -MODE UM `
    -ACTION PTPAPPLY `
    -TGTEV HRDEV `
    -UPD PTP856
```

Headless PT Upgrade

```
if ($STEP -eq 0) {  
    . set_ca_paths  
    . configure_ca  
    . set_new_ps_home  
}  
. apply_ptu_project  
. remove_new_ps_home
```

Headless PT Upgrade

```
Do {
  .\changeassistant.bat -MODE UM -ACTION PTUAPPLY `
  -TGTEENV $DATABASE -UPD PTU856 `
  -OUT c:\temp\$DATABASE-ptu856-$STEP.log `
  -WARNINGSOK Y -EXONERR Y -RESETJOB N `
  -RESUMEJOB COMPLETECONTINUE | select-string "Running"

  switch ($LASTEXITCODE) {
    0 { $status = "done"; break }
    1 { Write-Output "Open CA "; Exit 1 }
    2 { Write-Host "Stop Encountered"; Exit 2 }
    3 { Exit 3 }
    Default { Exit 4 }
  }
  $STEP++
} while ($status -eq "running")
```

More Resources

- psadmin.io
- PeopleSoft Administrator Podcast
- psadmin.io Community
- Training:
 1. DPK
 2. PUM and Change Lifecycle
 3. Elasticsearch and Search Framework
- Coaching
- github.com/psadmin-io
- psadmin.conf - May 6-8, 2019

Thank You!

