

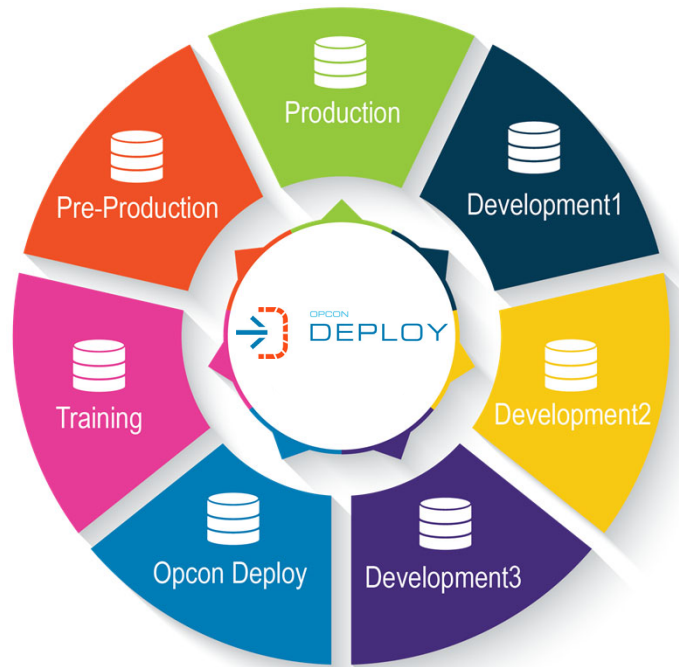
SMArt Sessions 2019

OpCon Deploy

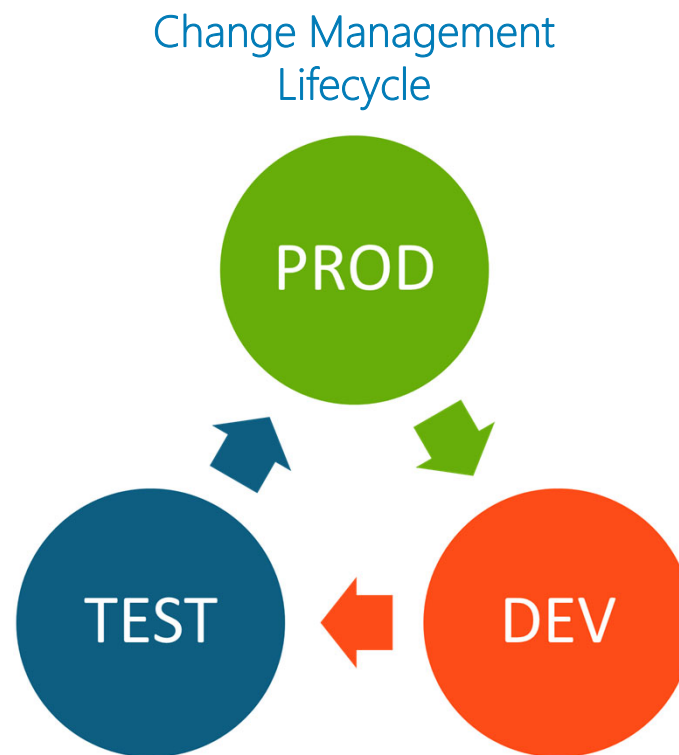
Presented by Josh Higgins

OpCon Deploy: Change Management

OpCon Environments



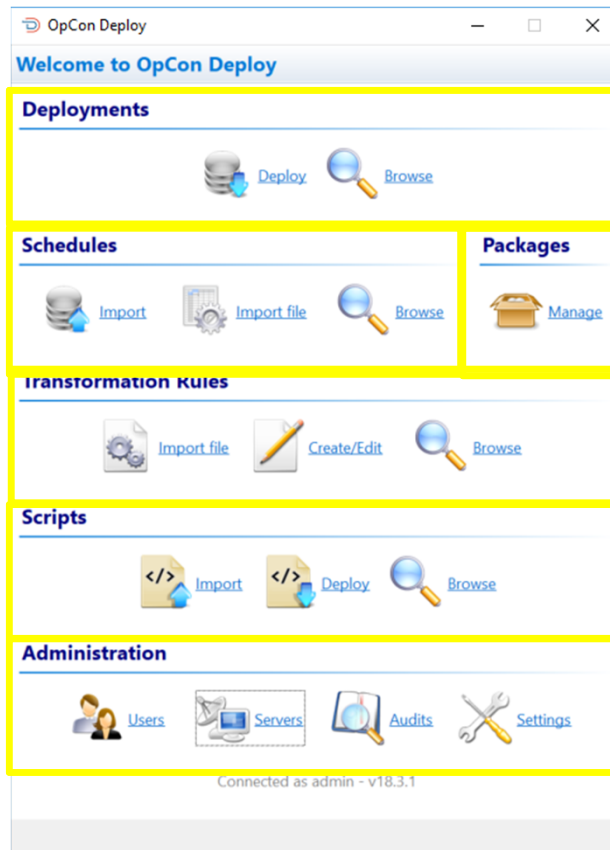
OpCon Deploy: At a Glance



Benefits of OpCon Deploy

- Single point for managing deployments within an OpCon platform
- Versioning and auditing of all changes
- All changes are performed within a transactional context so any errors encountered during the process will leave the system in a working state
- When deploying to production systems, checks for local changes
- Undocumented changes are never lost during the deployment process as a backup of the current definitions are taken immediately before the deployment

OpCon Deploy



Administration

Server management (admin)

View or edit servers

Buttons: Add, Delete, Save, Cancel

Select server: jhiggins

View/edit server

Server name: jhiggins

Server type: Development

Allow transformation rules: ☒

Default transformation rules: (1) rule(s) selected Edit...

SAP Servers: No SAP servers selected Edit...

Server Address: jhiggins

Server Port: 9011

Using TLS: ☒

Test Server connection

OpCon API Port: 9010

Using TLS: ☒

Close

User management

View or edit users

Select user: RMAIA

View/edit user

User name

Password

Description

Role

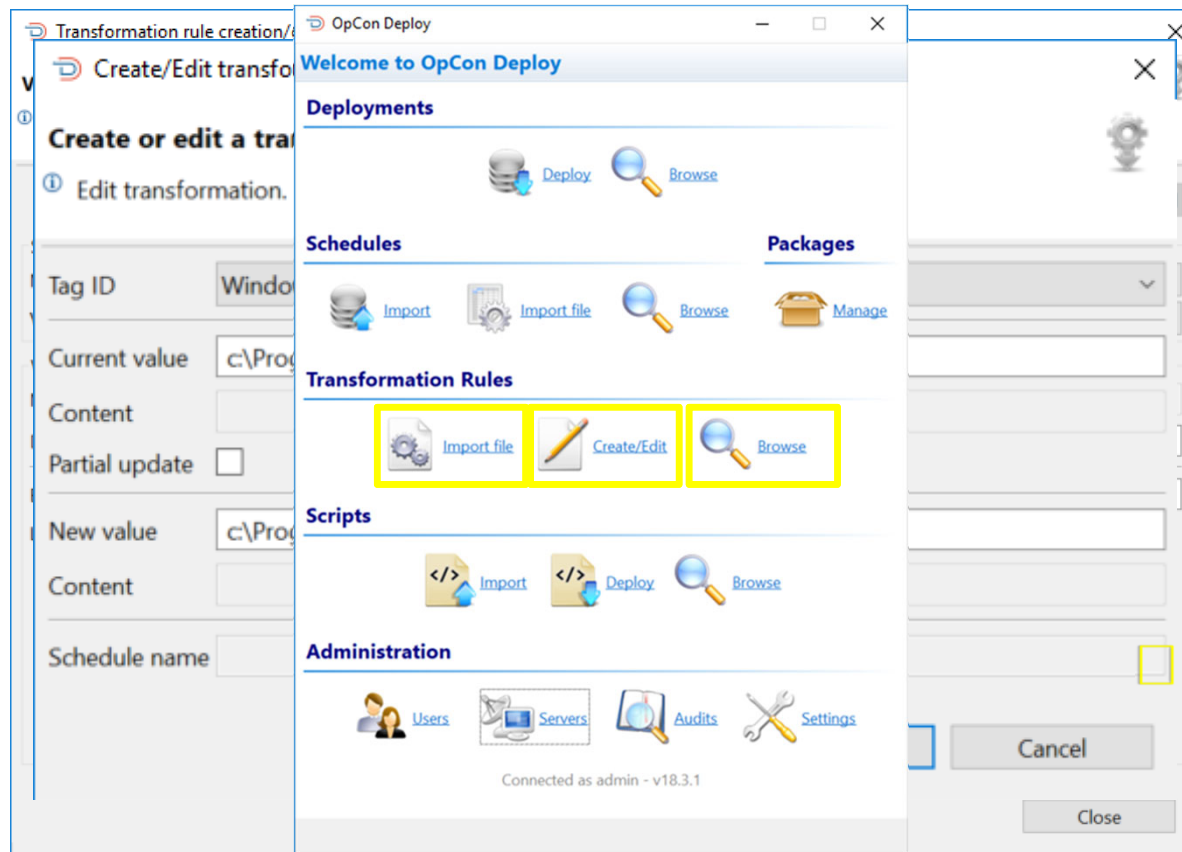
OpCon user name

OpCon password

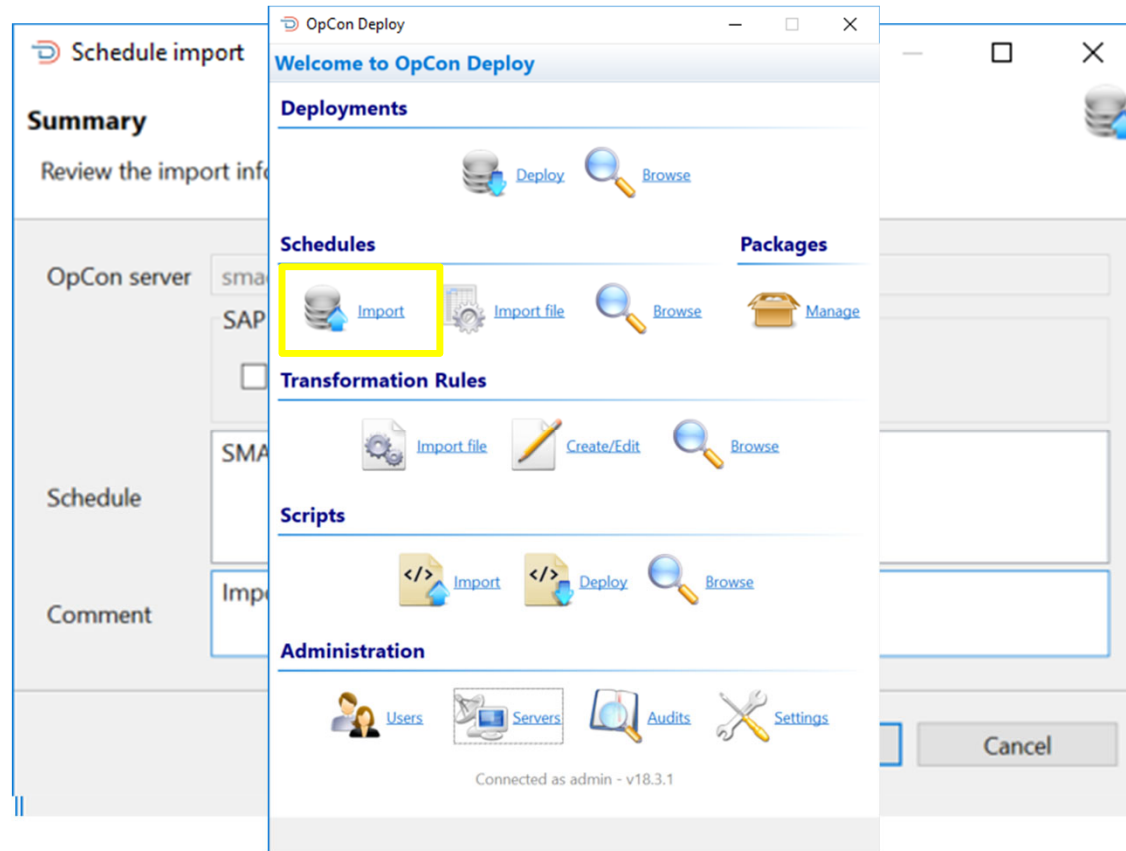
Save Cancel

Close

Transformation Rules



Schedules



Schedules

Schedules browser (admin)

Browse and filter Schedules imported

Name	Sub.	Dep.	Description
OPCON DEPLOY			Importing for demo
Version 11			COMments go here
Version 10			Importing for demo

Version 11			COMments go here
Version 10			Importing for demo
Version 9			
Version 8			
Version 7			
Version 6			
Version 5			
Version 4			
Version 3			
Version 2			
Version 1			
TEST DEPLOY SCHED1			

OpCon Deploy

Welcome to OpCon Deploy

Deployments

Deploy Browse

Schedules Packages

Import Import file Browse Manage

Transformation Rules

Import file Create/Edit Browse

Scripts

Import Deploy Browse

Administration

Users Servers Audits Settings

Connected as admin - v18.3.1

Package	User	Date
	admin	07/02/2019 15:40.947
	admin	11/02/2019 12:19.993
	admin	07/02/2019 15:40.947
	admin	07/02/2019 15:40.947
	admin	11/02/2019 12:19.993
	admin	07/02/2019 15:40.947
	admin	07/02/2019 15:40.933
	admin	07/02/2019 13:05.947
	admin	07/02/2019 13:14.110
	admin	07/02/2019 09:12.307
	admin	07/02/2019 11:40.123
	admin	07/02/2019 08:50.937
	admin	04/02/2019 14:38.790
	admin	07/02/2019 08:54.783
	admin	04/02/2019 14:38.997
	admin	07/02/2019 09:22.120

OK Cancel

Schedules

Schedules browser (admin)

Browse and filter Schedules imported

Filter Schedules

Name

Name	Sub.	Dep.	Description	OpCon server	OpCon version	Current production	Package	User	Date
OPCON DEPLOY			Importing for demo	bjernell1	18.03	Version 10		admin	07/02/2019 15:40.947
Version 11			Comments go here	smaopcondemo	18.03			admin	11/02/2019 12:19.993
Version 10			Importing for demo	bjernell1	18.03	✓		admin	07/02/2019 15:40.947
Version 9				bjernell1	18.03			admin	07/02/2019 15:40.933
Version 8				bjernell1	18.03			admin	07/02/2019 13:05.947
Version 7				bjernell1	18.03			admin	07/02/2019 13:14.110
Version 6				smaopcondemo	18.03			admin	07/02/2019 09:12.307
Version 5				bjernell1	18.03			admin	07/02/2019 11:40.123
Version 4				smaopcondemo	18.03			admin	07/02/2019 08:50.937
Version 3				smaopcondemo	18.03			admin	04/02/2019 14:38.790
Version 2				bjernell	18.03			admin	07/02/2019 08:54.783
Version 1				smaopcondemo	18.03			admin	04/02/2019 14:38.997
TEST DEPLOY SCHED1				smaopcondemo	18.03	Version 2		admin	07/02/2019 09:22.120

OK Cancel

Deployments

OpCon Deploy

Schedule deployment

Select transformation rules

Select one or more transformation rules for the deployment

Select one or more transformation rules (optional)

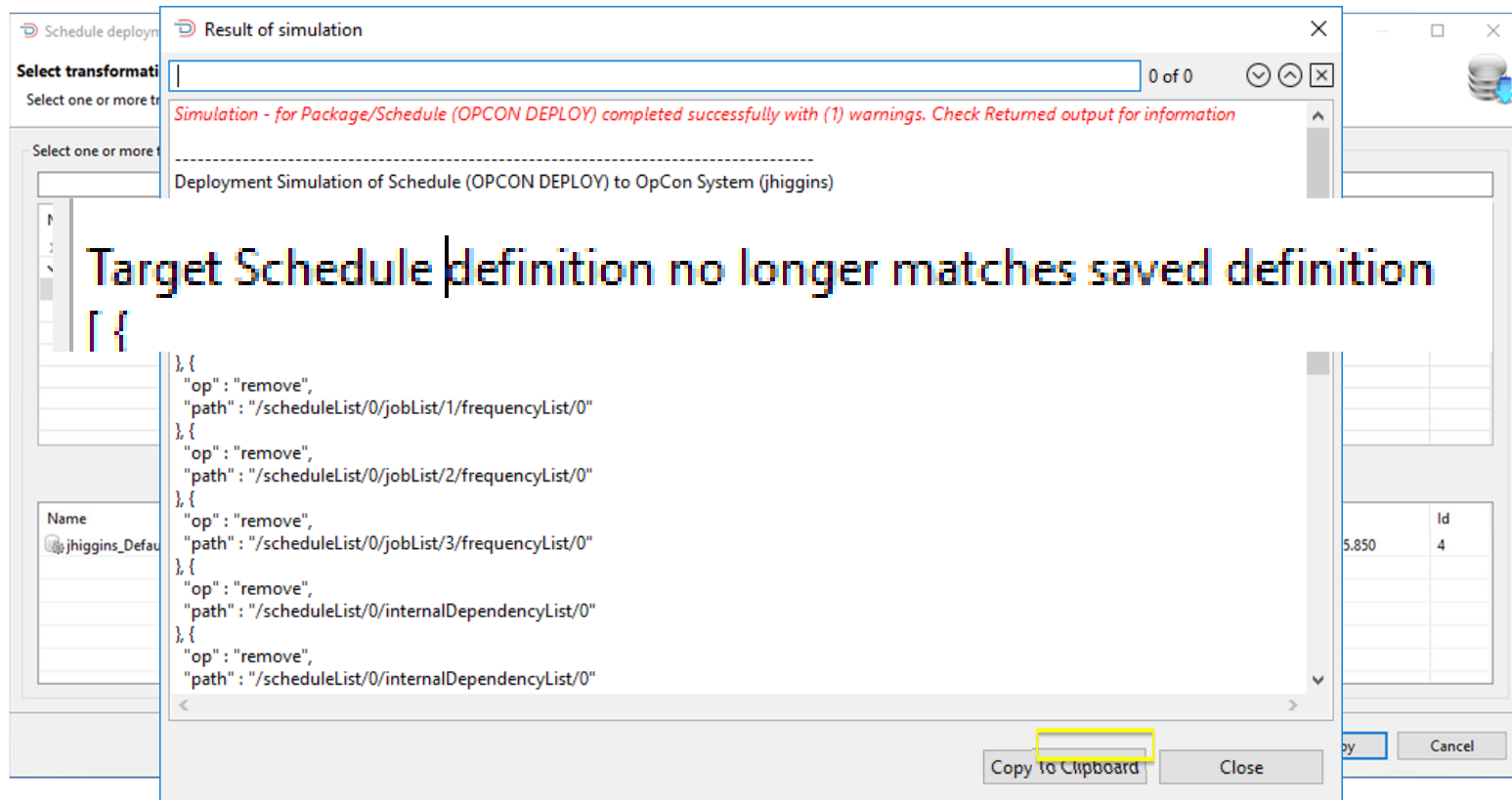
Name	Description	Current version selected	User	Date	Id
> Demo_GlobalProperty	Demonstrates a transformation rule for a global property	Latest	admin	07/02/2019 13:09.733	3
▼ jhiggins_Default		Latest	admin	11/02/2019 12:25.850	4
✓ Version 2			admin	11/02/2019 12:25.850	4
□ Version 1			admin	05/02/2019 13:19.547	1

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Name	Version	Description	Current	User	Date	Id
jhiggins_Default	2			admin	11/02/2019 12:25.850	4

< Back Next > **Simulate** Batch deploy **Deploy** Cancel

Simulate



Batch Deploy

Schedule deployment

Select transformation rules

Select one or more transformation rules for the deployment

Select one or more transformation rules (optional)

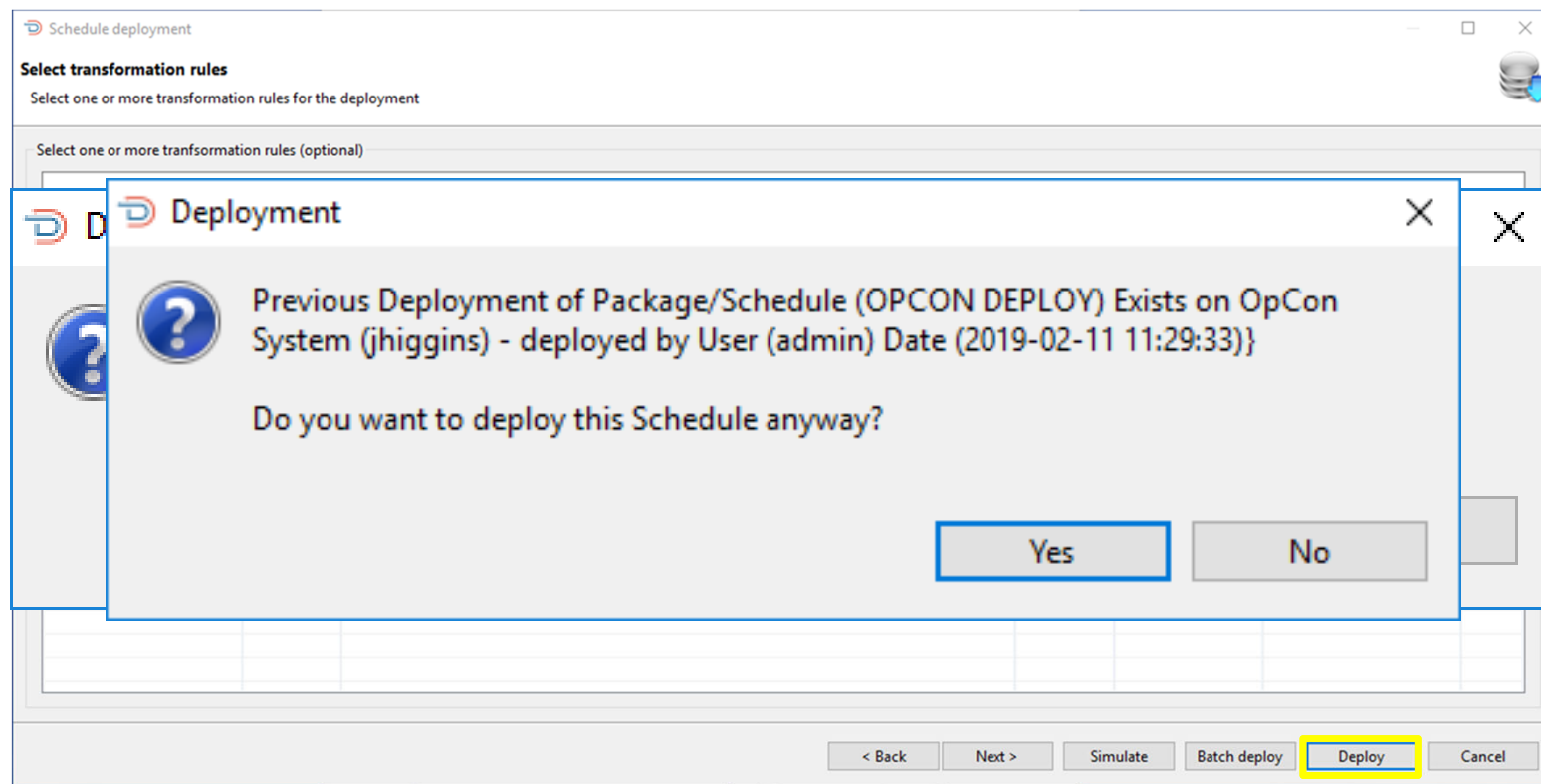
Name	Description	Current version selected	User	Date	Id
> Demo_GlobalProperty	Demonstrates a transformation rule for a global property	Latest	admin	07/02/2019 13:09.733	3
▼ jhiggins_Default		Latest	admin	11/02/2019 12:25.850	4
✓ Version 2			admin	11/02/2019 12:25.850	4
□ Version 1			admin	05/02/2019 13:19.547	1

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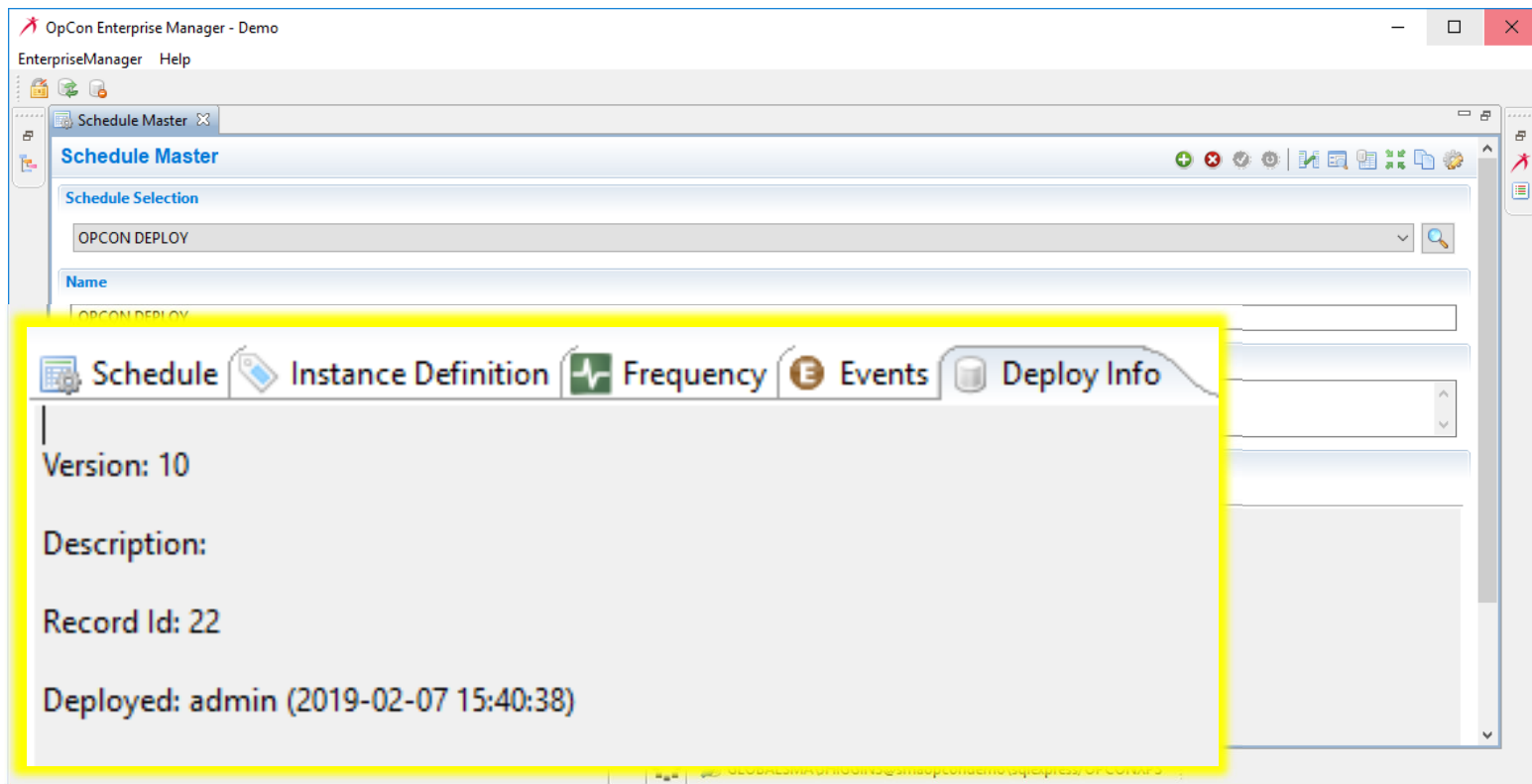
Name	Version	Description	Current	User	Date	Id
jhiggins_Default	2			admin	11/02/2019 12:25.850	4

< Back Next > Simulate **Batch deploy** Deploy Cancel

Deploy



Schedule Documentation



Deployments

OpCon Deploy

Welcome to OpCon Deploy

Deployment records (admin)

View deployment records

18 deployment records displayed

Filter deployment records

Schedule

Server

Deployment type

Deployment status

User

From

To

Apply

Reset

Name	Version	Server	Type	Status	Description	Transformation	User	Date
MCP BASIC	1	smaopcond...	Sched...	Active			admin	22/02/2019 15:0...
OPCON DEPLOY							admin	13/02/2019 09:3...
OPCON DEPLOY							admin	13/02/2019 09:2...
OPCON DEPLOY					oyment set for D...		admin	13/02/2019 08:5...
OPCON DEPLOY							admin	11/02/2019 13:4...
OPCON DEPLOY							admin	11/02/2019 11:2...
OPCON DEPLOY					loying for a dem...		admin	07/02/2019 16:3...
OPCON DEPLOY							admin	07/02/2019 15:4...
OPCON DEPLOY	9	smaopcond...	Sched...	Inactive			admin	07/02/2019 13:1...
OpConAPI_Module	47	bjernell1	Script	Deployed			admin	07/02/2019 12:5...
OPCON DEPLOY	7	smaopcond...	Sched...	Inactive			admin	07/02/2019 11:4...
TEST DEPLOY SCHE...	2	smaopcond...	Sched...	Active			admin	07/02/2019 09:2...
OPCON DEPLOY	5	smaopcond...	Sched...	Inactive			admin	07/02/2019 08:5...
OPCON DEPLOY	4	bjernell1	Sched...	Active			admin	07/02/2019 08:5...
OPCON DEPLOY	2	smaopcond...	Sched...	Inactive			admin	05/02/2019 13:4...
TEST DEPLOY SCHE...	1	RMAIA	Sched...	Active			RMAIA	04/02/2019 15:3...
OPCON DEPLOY	3	bjernell1	Sched...	RolledBack			admin	04/02/2019 14:3...
OPCON DEPLOY	1	bjernell1	Sched...	Inactive			admin	04/02/2019 14:2...

View definition

View rollback definition

Rollback this deployment

Delete this deployment

Close

Packages

Selection of Schedules (admin)

Select one or more Schedules

Name	Sub.	Dep.	Description	OpCon server	OpCon version	Current production	Package	User	Date
> OPCON DEPLOY			Importing for demo	bjernell1	18.03	Version 10		admin	07/02/2019 15:40.947
✓ TEST DEPLOY SCHED1				smaopcondemo	18.03	Version 2		admin	07/02/2019 09:22.120
Version 2				smaopcondemo	18.03	✓		admin	07/02/2019 09:22.120
Version 1				smaopcondemo	18.03			admin	04/02/2019 15:02.950

⏏ ⏴ ⏵ ⏶ ⏷

Name	Version	Sub.	Dep.	Description	OpCon version	Current production	Package	User	Date
OPCON DEPLOY	11			COMments go here	18.03			admin	11/02/2019 12:19.993
TEST DEPLOY SCHED1	2				18.03	✓		admin	07/02/2019 09:22.120

OK Cancel

Scripts

Script import

Summary

Review the import

OpCon server
smaopcondemo

Scripts
Name
AWS

Comment
Importing for test

Result of check-in (admin)

Review result of check-in

1 Scripts to check-in: 0 failed

Name	Server	Status	Description
AWS	smaopcondemo	SUCCE...	Script (AWS) id (58) record created successfully

Displaying the result of check-in...

Close

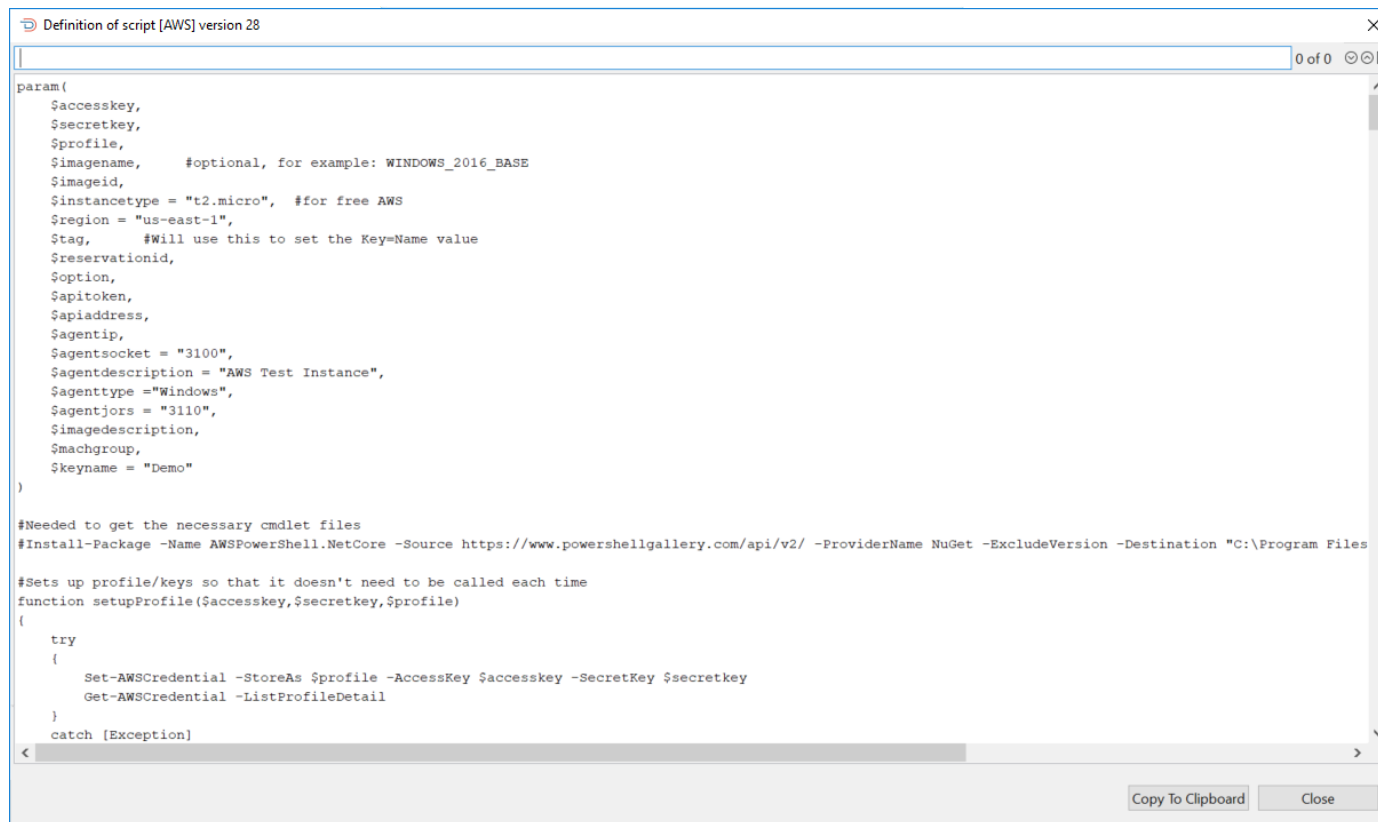
< Back

Next >

Finish

Cancel

Scripts



```
param(
    $accesskey,
    $secretkey,
    $profile,
    $imagename,      #optional, for example: WINDOWS_2016_BASE
    $imageid,
    $instancetype = "t2.micro", #for free AWS
    $region = "us-east-1",
    $tag,            #Will use this to set the Key=Name value
    $reservationid,
    $option,
    $apitoken,
    $apiaddress,
    $agentip,
    $agentsocket = "3100",
    $agentdescription = "AWS Test Instance",
    $agenttype = "Windows",
    $agentjors = "3110",
    $imagedescription,
    $machgroup,
    $keyname = "Demo"
)

#Needed to get the necessary cmdlet files
#Install-Package -Name AWSPowerShell.NetCore -Source https://www.powershellgallery.com/api/v2/ -ProviderName NuGet -ExcludeVersion -Destination "C:\Program Files


#Sets up profile/keys so that it doesn't need to be called each time
function setupProfile($accesskey,$secretkey,$profile)
{
    try
    {
        Set-AWSCredential -StoreAs $profile -AccessKey $accesskey -SecretKey $secretkey
        Get-AWSCredential -ListProfileDetail
    }
    catch [Exception]
```

Scripts

Script deployment

Server
smaopcondemo (Production)

Scripts

Name	Version	Type	Description	OpCon server	Creation date	Last update	User	Date
 AWS	29	PowerShell	Added fix for when ...	smaopconde...	2017-06-29 1...	2017-06-29 1...	admin	24/02/2019 1...


Comment
Deploying to production

< Back Next > **Finish** Cancel

Future Considerations

- Backwards compatibility
- Implement web-based system via Solution Manager
- Replace current API with standard OpCon REST API
- Provide import/export capability for notifications
- Windows authentication



The background is a light blue gradient with a large, vibrant orange and red splatter effect in the center. The splatter consists of many fine, radiating lines and larger, textured areas of color, creating a sense of motion and energy.

Yes, that's
possible.