



# Deployment Automation

## Deployment Packages Tutorial

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# Introduction

DA 6.2 introduces a new feature called Deployment Packages, in a nutshell a Deployment Package will consist of multiple Application or Component deployment requests. A Deployment Package allows you to deploy multiple DA applications, across multiple environments or a pipeline in single deployment request.

## Step 1: Create the first application

To create a package, 2 or more applications need to be defined. To save time and for test purposes, simply import the two simple applications supplied as JSON exports.

1. Login to DA as the admin user
2. Create a resource called **Ag1**
3. In File Explorer/commandline create two files on the C: drive:

```
C:\work\da\Application1\v1\App1v1.txt
```

```
C:\work\da\Application2\v1\App2v1.txt
```

E.g. echo

```
md C:\work\da\Application1\v1
```

```
echo content > C:\work\da\Application1\v1\App1v1.txt
```

```
md C:\work\da\Application2\v1
```

```
echo content > C:\work\da\Application2\v1\App2v1.txt
```

4. Select **Home | Management | Applications**
5. Click the **Add button** to the right, select **Import Application**.
6. At the *Import Application* dialog, click the browse button, navigate to and select **Ap1.json**
7. Click **Import**
8. Click the link **Application1** then the button **Components**
9. Click **Component1** and the button **Versions**
10. Click the plus sign to the right to add a new version and v1 should appear under the list of versions.

## Step 2: Create the second application

1. Select **Home | Management | Applications**
2. Click the **Add button** to the right, select **Import Application**.
3. At the *Import Application* dialog, click the browse button, navigate to and select **Ap2.json**
4. Click **Import**
5. Click the link **Application2** then the button **Components**
6. Click **Component2** and the button **Versions**
7. Click the plus sign to the right to add a new version and v1 should appear under the list of versions.

## Step 3: Create a Deployment Package

1. Select **Home | Management | Deployment Packages**
2. Click the **Add button** to the right hand side.
3. At the *Create Deployment Package* dialog, specify the following
  - a. Name: **Package1**
  - b. Description: **Deploy both apps 1 and 2**
4. Click **Build Out**
5. At the Package1 screen click the **Design** button towards the top right of the screen.
6. Under tools, click **Run Application Process** and drag it under the start button
7. In the properties tab specify:
  - a. Name: **RunApp1**
  - b. Application: **Application1**
  - c. Environments: **DEVTEST**
  - d. Application Process: **RnP1**
  - e. Uncheck: **Only Changed Versions**
  - f. Version for Component1: **Latest Version**
8. Under tools, click **Run Application Process** and drag it under the RunApp1 box
9. In the properties tab specify:
  - a. Name: **RunApp2**
  - b. Application: **Application2**
  - c. Environments: **DEVTEST**
  - d. Application Process: **rp2**
  - e. Uncheck: **Only Changed Versions**
  - f. Version for Component2: **Latest Version**
10. Link the steps together

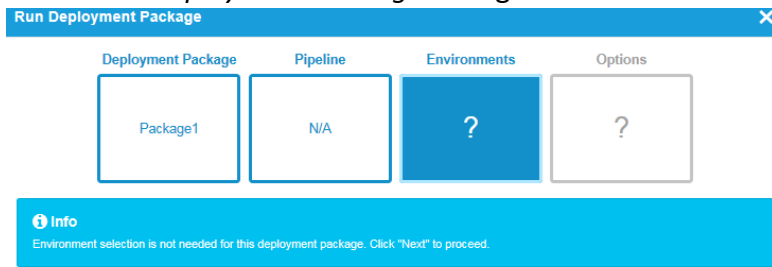


11. Click the Save icon



## Step 4: Test and run the Deployment Package

1. In the top right of the screen, click **Run**
2. At the *Run Deployment Package* dialog click **Next**



The dialog box titled "Run Deployment Package" has a close button (X) in the top right corner. It contains four tabs: "Deployment Package", "Pipeline", "Environments", and "Options". Below the tabs are four boxes: "Package1" under Deployment Package, "N/A" under Pipeline, and two boxes with question marks under Environments and Options. At the bottom, there is an "Info" section with a blue background and white text: "Environment selection is not needed for this deployment package. Click 'Next' to proceed."

Close Prev Next

3. Click **Submit** and note the graphical overview:



Change to:



Notice the completed screen tells us:

- a. Package 1 has been deployed across the DEVTEST and DEVTEST2 environments
- b. Two deployments were made and both were successful

## Further Task

Implement a new Deployment Package for some existing applications.

## Further Information

For more information on Deployment Packages, refer to the DA User Guide available from <http://help.serena.com>.

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