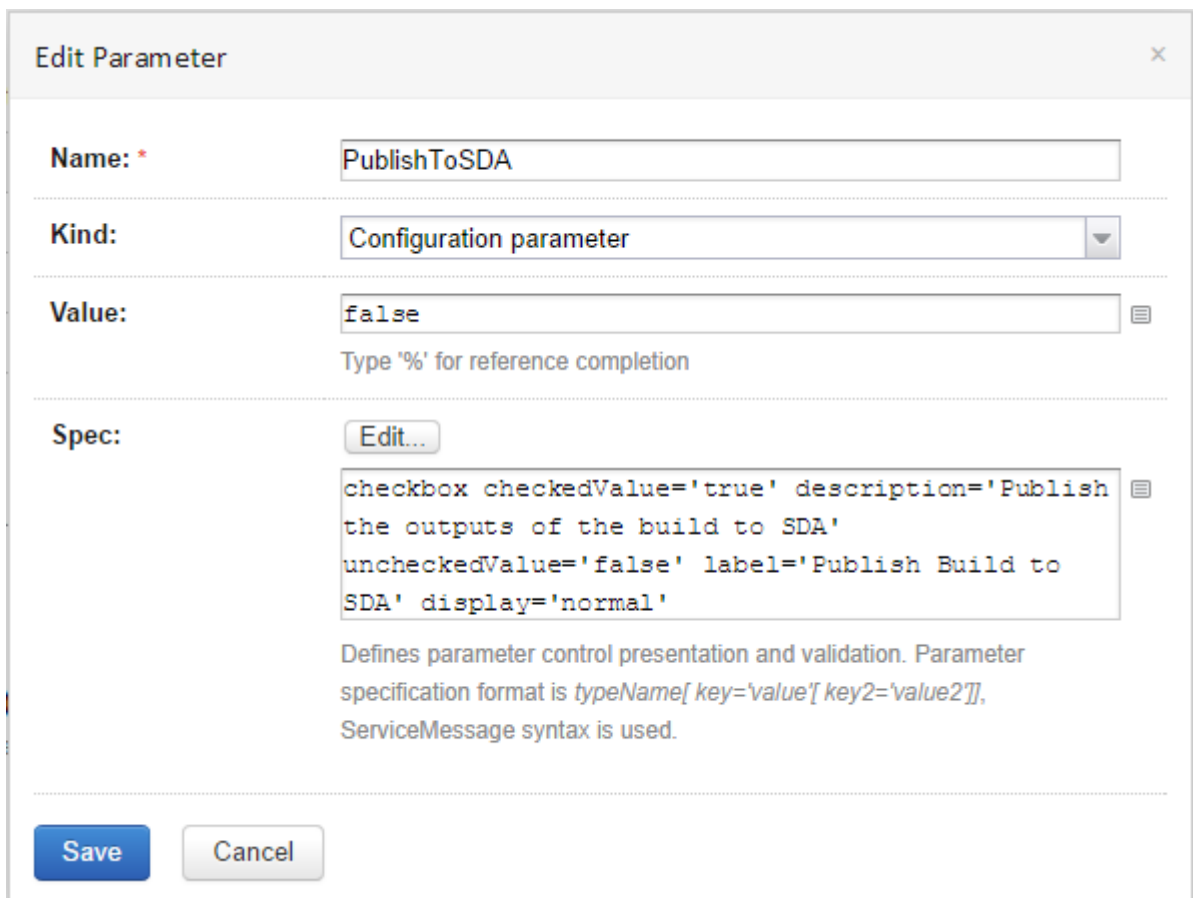


## Micro Focus Deployment Automation plugin for TeamCity

- Install the SerenaDeploy-x.x.zip in to TeamCity using the Administration menu
- Go to an existing Build Configuration and add a new Build Step selecting Serena Deploy plugin.
- Enter the parameters for DA (see screenshots as an example).
- In DA, select None as the source type for the component you are uploading to as the plugin resides in TeamCity
- The plugin will optionally upload a new version into DA using the built artefacts.
- The plugin will optionally create component version properties to the uploaded version.
- The plugin will optionally apply a status to the uploaded version.
- The plugin will optionally execute a process to deploy it.
- A parameter can be passed to the plugin to determine if publishing should occur. For example create a parameter "PublishToDA" as below and then in the plugin parameter "Publish Version if" reference this parameter, i.e. %PublishToDA%.



**Edit Parameter** [X]

**Name: \*** PublishToSDA

**Kind:** Configuration parameter

**Value:** false [Menu]  
Type '%' for reference completion

**Spec:** [Edit...]  
checkbox checkedValue='true' description='Publish the outputs of the build to SDA' uncheckedValue='false' label='Publish Build to SDA' display='normal' [Menu]  
Defines parameter control presentation and validation. Parameter specification format is `typeName[ key='value'[ key2='value2']]`, ServiceMessage syntax is used.

**Save** **Cancel**

- A parameter can be passed to the plugin to determine if deployment should occur. For example create a parameter "DeployFromDA" as below and then in the plugin parameter "Deploy to Version if" reference this parameter, i.e. %DeployFromDA%.

**Edit Parameter**

**Name: \*** DeployFromSDA

**Kind:** Configuration parameter

**Value:** false  
Type '%' for reference completion

**Spec:**

```
checkbox checkedValue='true' description='Deploy a specific build (usually the current one) from SDA. The build needs to have been published first.' label='Deploy from SDA' display='normal'
```

Defines parameter control presentation and validation. Parameter specification format is `typeName[ key='value'[ key2='value2']]`, ServiceMessage syntax is used.

- Deployment can be carried out in a separate step if required, however the component name and version name need to be set to ensure that deployment is initiated.

## Example Setup (1/2):

Deployment Server Settings:	
Micro Focus DA URL: *	<input type="text" value="http://localhost:8080/da"/> <small>The URL for Micro Focus DA, i.e. http://localhost:8080/da</small>
Username: *	<input type="text" value="admin"/> <small>The user name used to login to the Micro Focus DA server.</small>
Password: *	<input type="password" value="....."/> <small>The password used to login to the Micro Focus DA server.</small>
Version Upload Settings:	
Publish Version:	<input checked="" type="checkbox"/> <small>Check here if you want to upload the outputs of this build into Micro Focus DA.</small>
Publish Version if:	<input type="text"/> <small>Use a property to determine if the outputs of the build should be uploaded to Micro Focus DA. If set this overrides the "Publish Version" checkbox.</small>
Component: *	<input type="text" value="simple-webapp"/> <small>The name of the component in the Micro Focus DA server which will receive the new version.</small>
Base Artifact Directory: *	<input type="text" value="%teamcity.build.workingDir%"/> <small>Specify the base directory where the artifacts are located. If empty the default value is %teamcity.build.workingDir% which is the base of the build workspace.</small>
Directory Offset:	<input type="text" value="target"/> <small>Specify a sub-directory in the workspace where to search for files to publish. Absolute directories will not work.</small>
Version Name:	<input type="text" value="%maven.project.version%-%build.number%"/> <small>The name of the new version that will be created in the Micro Focus DA server. You can reference TeamCity parameters, e.g. %build.number%</small>
Includes:	<input type="text" value="*.war,*.properties"/> <small>A comma separated list of file filters to select the files to publish. If empty the default includes everything in the workspace.</small>
Excludes:	<input type="text"/> <small>A comma separated list of file filters to exclude from publishing. Leave blank to include everything.</small>
Version Properties:	<div>Enter properties below: <input type="text" value="teamcity.buildId=%teamcity.build.id%"/></div> <small>Newline separated list of quoted properties and values i.e. prop1=%teamcity.project.id% to create on the version.</small>

## Example Setup (2/2):

Add Files to Existing Version:	<input checked="" type="checkbox"/> <small>Check here if you want to upload files into an existing version. Note: if you leave this option unselected and the version already exists, the plugin will fail the build.</small>
Create Empty Version:	<input type="checkbox"/> <small>Check here if you want to create an empty version without any files being uploaded. This should only be used if the component process has a plugin step to pull the version from a another tool using, for example: Artifactory or Maven.</small>
Version Status Settings:	
Add Status to Version:	<input checked="" type="checkbox"/> <small>Check here if you want to add a status to the version in Micro Focus DA once it's uploaded.</small>
Version Status Name:	<input type="text" value="BUILT"/> <small>The name of the status to apply to the version.</small>
Version Deployment Settings:	
Deploy Version:	<input checked="" type="checkbox"/> <small>Check here if you want to trigger a deployment of this version in Micro Focus DA once it's uploaded.</small>
Deploy Version if:	<input type="text"/> <small>Use a property to determine if a deployment of this version should be triggered in Micro Focus DA once it's uploaded. If set this overrides the "Deploy Version" checkbox.</small>
Deploy Application:	<input type="text" value="TeamCity Test"/> <small>The name of the application in Micro Focus DA which will be used to deploy the new version.</small>
Deploy Environment:	<input type="text" value="Development"/> <small>The name of the environment in Micro Focus DA to deploy to.</small>
Deploy Process:	<input type="text" value="Deploy"/> <small>The name of the application process in Micro Focus DA which will be used to deploy the new version.</small>
Deploy Properties:	<div>Enter properties below: <input type="text" value="teamcity.buildId=%teamcity.build.id%"/></div> <small>Newline separated list of quoted properties and values i.e. prop1=%teamcity.project.id% to pass to Micro Focus DA Deployment Process.</small>

## Example Successful Build Output:

```
[16:56:12] [Retrieving configuration] Create Empty Version: is false
[16:56:12] [Retrieving configuration] Using component id: 31763e6f-8bd7-4f72-905a-b0e903b491d6
[16:56:12] ▼ [Step 3/5] Publishing Version (1s)
[16:56:12] [Publishing Version] Component version with name "1.2.1-SNAPSHOT.31" is free.
[16:56:12] [Publishing Version] The option "Add Files to Existing Version" is selected but the component version "1.2.1-SNAPSHOT.31" does not exist - a new version will be created
[16:56:12] [Publishing Version] Creating version "1.2.1-SNAPSHOT.31" on component simple-webapp...
[16:56:12] [Publishing Version] Calling URI "http://localhost:8080/da/cli/version/createversion?component=simple-webapp&name=1.2.1-SNAPSHOT.31"...
[16:56:12] [Publishing Version] Unique version id is 12f905d6-3393-4146-b742-09168a681f00
[16:56:13] [Publishing Version] Invoke vcs client...
[16:56:13] [Publishing Version] Creating staging directory
[16:56:13] [Publishing Version] Created staging directory: ca58768a-fbe6-46e4-b4ea-f6abcec39bc0
[16:56:13] [Publishing Version] Added 1 files to staging directory...
[16:56:13] [Publishing Version] Creating new change set for: 4c8985d6-e9d1-4692-beb4-fd1f9ae8ed5e
[16:56:13] [Publishing Version] Created new change set with 1 entries
[16:56:13] [Publishing Version] Committed staging directory: SHA-256W7Bcf320a60f792a8e76552be76aaef417d72446593835237d32519f17112a8f931K7D
[16:56:13] [Publishing Version] Labeling change set with label: 1.2.1-SNAPSHOT.31
[16:56:13] [Publishing Version] Done labeling change set!
[16:56:13] [Publishing Version] Deleted staging directory: ca58768a-fbe6-46e4-b4ea-f6abcec39bc0
[16:56:13] ▼ [Step 3/5] Adding properties to Version
[16:56:13] [Adding properties to Version] Found component version property sheet id: 49a17c2c-622e-4259-8667-aa6ec5c8c164
[16:56:13] [Adding properties to Version] Calling URI "http://localhost:8080/da/property/propSheet/componentsK2612f905d6-3393-4146-b742-09168a681f00K26propSheetGroupK26propSheetsK2649a17c2c-622e-4259-8667-aa6ec5c8c164.-1/allPropValues" with body {"teamcity.buildId": "91"}
[16:56:13] ▼ [Step 3/5] Adding Status to Version
[16:56:13] [Adding Status to Version] Applying status "BUILT" to Version 1.2.1-SNAPSHOT.31
[16:56:13] [Adding Status to Version] Calling URI "http://localhost:8080/da/rest/deploy/version/12f905d6-3393-4146-b742-09168a681f00/status/BUILT"...
[16:56:13] ▼ [Step 3/5] Deploying Version (1s)
[16:56:13] [Deploying Version] Starting deployment of TeamCity Test to Development
[16:56:15] [Deploying Version] Deployment request URI is: http://localhost:8080/da/app8/application-process-request/c1d293ab-ec7b-4a40-9266-ab01f53f0785.log
```