

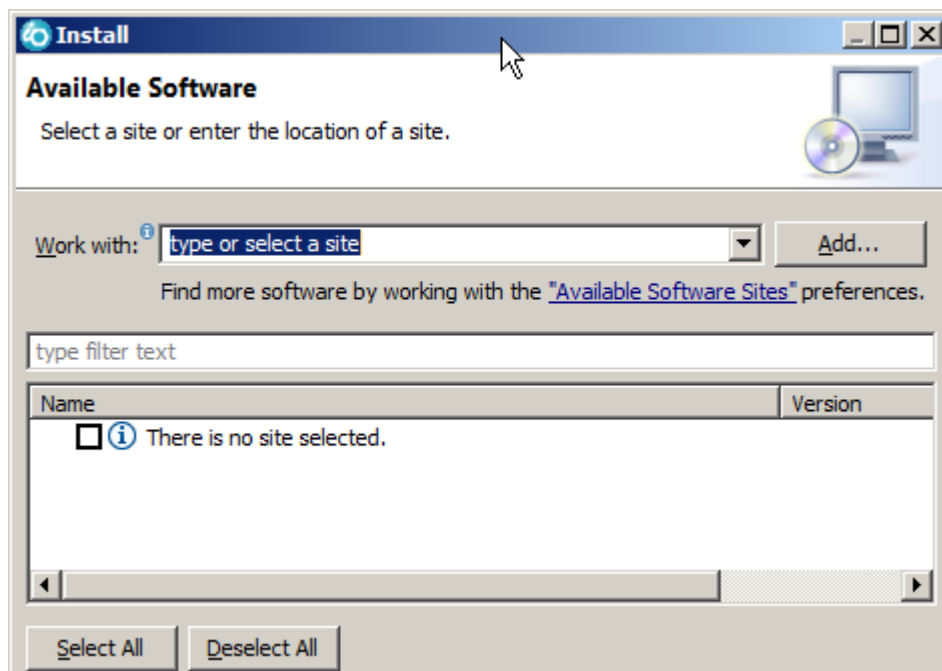
iSphere Ant Plug-In

The iSphere Ant Plug-In provides Ant tasks that are required to build the iSphere plug-ins.

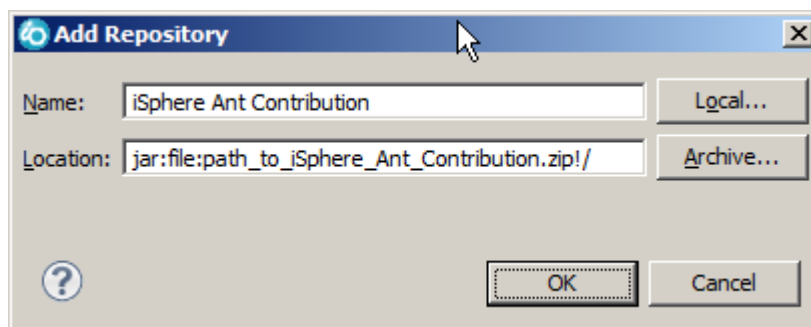
Installation Instructions

Please follow these steps to install the iSphere Ant Plug-In:

1. Goto Help -> Install New Software...
2. Press the [Add] button to add a new update site:

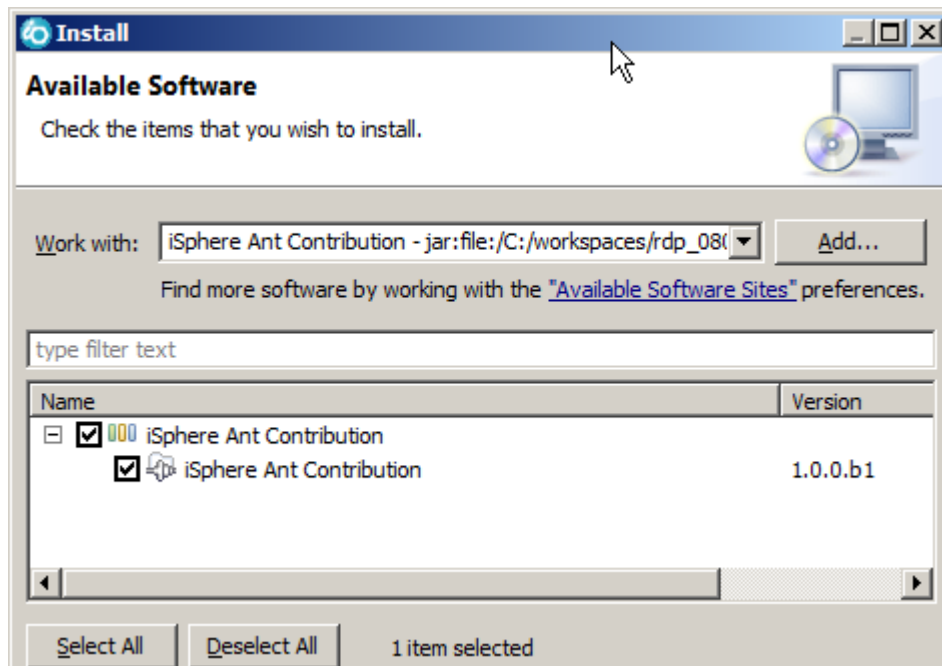


3. Specify a name and the path to the update site zip file:



4. Press the [OK] button.

5. Select the iSphere update site from the drop down box and install the plug-in:



Configuration

There is no further configuration required, as long as you run your Ant script in the JRE of the Eclipse workspace.

But sometimes there are good reasons to use a separate JRE. For that case you need to add a *<taskdef>* type entry to your Ant script like this:

```
<!-- Include iSphere Ant Contrib tasks -->
<property name="isphere.ant.contrib.path"
    location="your_jacob_lib_path" />
<taskdef resource="biz/isphere/antcontrib/antlib.xml" >
    <classpath>
        <pathelement location="${isphere.ant.contrib.path}/iSphere-ant-standalone.jar" />
        <pathelement location="${isphere.ant.contrib.path}/jacob.jar" />
    </classpath>
</taskdef>
```

In order to make that work, you need to unpack the following files to the directory specified at *your_jacob_lib_path*:

jacob-1.17-x64.dll

jacob-1.17-x86.dll

jacob.jar

These files are shipped with the *iSphere-ant-standalone.jar* and these files are unpacked to your “plugins” directory when you install the iSphere Ant Plug-In. Hence you certainly can set *your_jacob_lib_path* to for example:

c:\Programme_x86\IBM\SDP_091\plugins\biz.isphere.antcontrib_1.0.0.b4\lib\

A complete working example for the location above looks like this:

```
<!-- Include iSphere Ant Contrib tasks -->
<property name="isphere.ant.contrib.path"
    location="c:/Programme_x86/IBM/SDP_091/plugins/biz.isphere.antcontrib_1.0.0.b4/lib/" />
<taskdef resource="biz/isphere/antcontrib/antlib.xml">
    <classpath>
        <pathelement location="${isphere.ant.contrib.path}/iSphere-ant-standalone.jar" />
        <pathelement location="${isphere.ant.contrib.path}/jacob.jar" />
    </classpath>
</taskdef>

<target name="build" description="Test It!">

    <property name="doc.path" location="${basedir}" />

    <winword file="${doc.path}\Test.doc" visible="true"
        jacobdllpath="${isphere.ant.contrib.path}" >
        <saveAs toFile="${doc.path}\Test_Out.pdf" saveFormat="pdf" />
        <saveAs toFile="${doc.path}\Test_Out.doc" saveFormat="doc" />
    </winword>

</target>
```

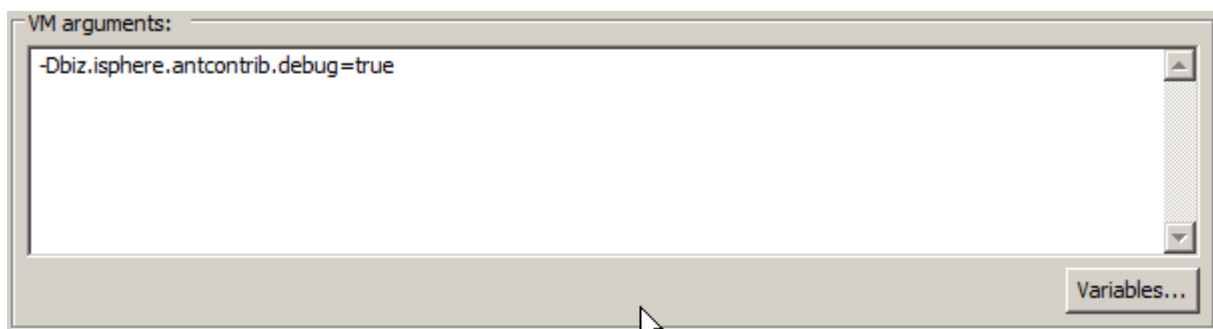
Debugging

A debug log to standard out can be enabled with environment variable *biz.isphere.antcontrib.debug*.

Values:

Value	Description
true	Enables the debug log.
False	Disables the debug log. (default setting)

Example:



Ant Tasks

winword

The **winword** task is used to manipulate Microsoft Word documents.

Parameters:

Attribute	Description	Required
file	The file to load.	Yes
visible	Specifies whether or not the MS Word application is started with a window (visible) or without a visible window.	No – default is “true”
jacobDllPath	Specifies the directory that contains the JACOB DLL files: jacob-*-x64.dll and jacob-*-x86.dll This attribute is not required when the Ant script uses the JRE of the workspace.	No

Nested elements:

saveAs

Attribute	Description	Required
toFile	Name of the renamed file or location where you save the file.	No – default is the original file name
saveFormat	Format you want to save the file.	No – default is the original file format.

Example:

```
<winword file="Test.doc" visible="true" >  
    <saveAs saveFormat="pdf" />  
</winword>
```

Converts “Test.doc” to PDF and saves it to “Test.pdf”.

```
<winword file="Test.doc" visible="true" >  
    <saveAs toFile="Test_out.pdf" />  
</winword>
```

Converts “Test.doc” to PDF and saves it to “Test_out.pdf”.

```
<winword file="Test.doc" visible="true" >  
    <saveAs toFile="Test_out.doc" saveFormat="pdf" />  
</winword>
```

Converts “Test.doc” to PDF and saves it to “Test_out.doc.pdf”.

SF

The **SF** (SourceForge) task is used to create a SFTP connection to SourceForge.

Parameters:

Attribute	Description	Required
user	SourceForge user name, specified as "user,project".	Yes
password	The password.	Yes
host	The host name.	Yes
remoteDir	The default remote directory.	No – default of the remote host
port	The port to connect to.	No – default is 22
trust	Trust all remote hosts, when set to "true".	No – default is "false"
dryRun	Specifies whether the actions are executed on the host. No changes are applied to the files and folders on the host, when set to "true".	No – default is "true"

Nested elements:

rmDir

Attribute	Description	Required
dir	The name of the directory that is removed from the host. If the name equals the default remote directory (remoteDir), then the directory is cleared but not removed.	No – default is "."
subDirs	Specifies whether sub folders are removed.	No – default is "false"

ignoreFile of rmDir

Attribute	Description	Required
pattern	Pattern to identify files that are not removed from a directory. Wildcard characters are: * = a string of characters, ? = a single character. A null or empty pattern matches all files!	No
ignoreCase	Specifies whether the case of the pattern and file name is ignored.	No – default is "true"

copyDir

Attribute	Description	Required
dir	Specifies the source directory.	No – default is "."
toDir	Specifies the target directory.	No – default is "."
subDirs	Specifies whether sub folders are copied.	No – default is "false"

Examples:

```
<SF user="user,foobaa" password="MyS3cret" trust="true" dryrun="true"
    host="frs.sourceforge.net" remoteDir="/home/pfs/project/foobaa/main/">
    <Rmdir dir="." subDirs="false" />
</SF>
```

Connects to SourceForge and removes all files from folder 'main' of project 'foobaa'.

Folder 'main' is not deleted, because it is the current remote directory.

```
<SF user="user,foobaa" password="MyS3cret" trust="true" dryrun="true"
    host="frs.sourceforge.net" remoteDir="/home/pfs/project/foobaa/">
    <Rmdir dir="main" subDirs="true" />
</SF>
```

Connects to SourceForge and removes all files and sub folders from folder 'main', including 'main', of project 'foobaa'.

```
<SF user="user,foobaa" password="MyS3cret" trust="true" dryrun="true"
    host="frs.sourceforge.net" remoteDir="/home/pfs/project/foobaa/">
    <Rmdir dir="main" subDirs="false" >
        <IgnoreFile pattern="*joe*.zip" ignoreCase="true" />
    </Rmdir>
</SF>
```

Connects to SourceForge and removes all files that do not match pattern '*joe*.zip' from folder 'main' of project 'foobaa'.

Folder 'main' is deleted if there is no file left, that matches pattern '*joe*.zip' and if there are no sub folders.

External Libraries

jacob.jar

JACOB – Java COM Bridge

See: <https://sourceforge.net/projects/jacob-project/>