

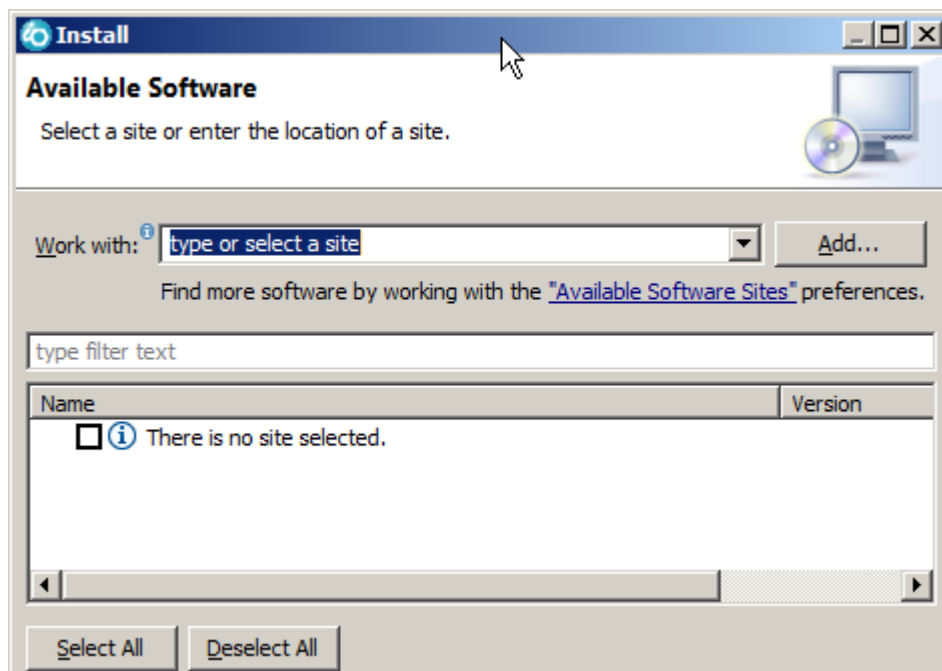
iSphere Ant Plug-In

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

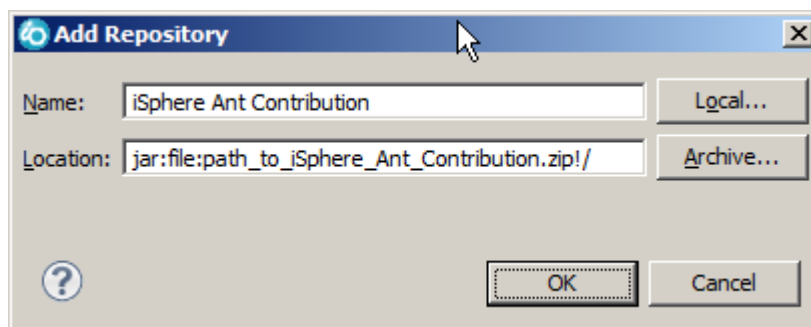
Installation Instructions

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:

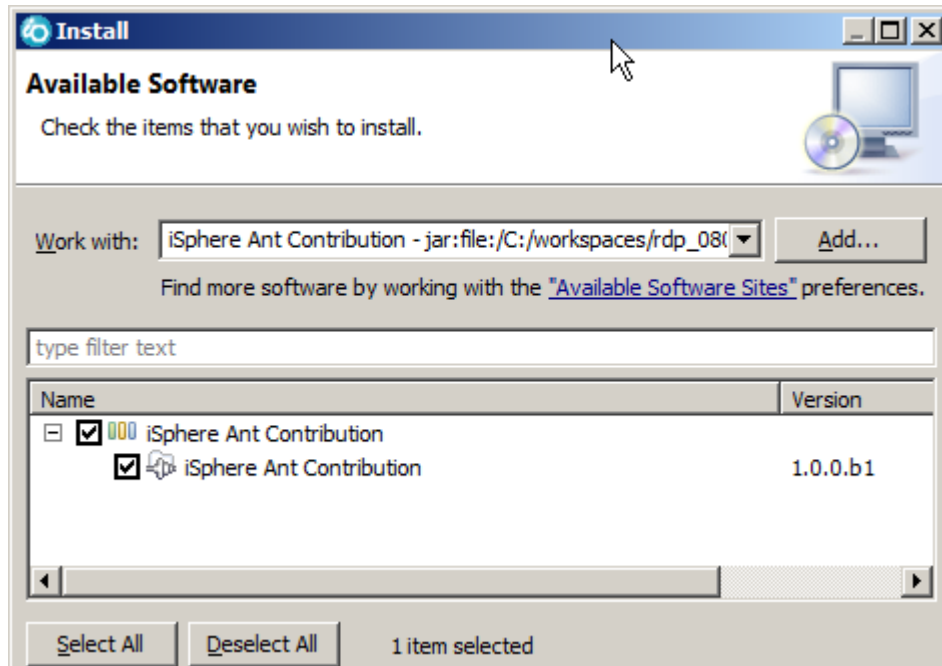


3. Specify a name and the path to the update site zip file:



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>
```

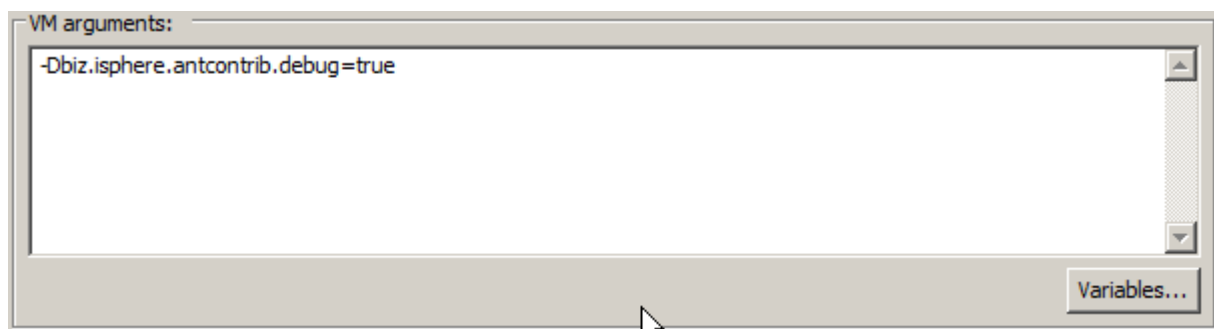
Debugging

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”.

External Libraries

jacob.jar

JACOB – Java COM Bridge

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