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Announcement

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[Open Exchange](#)

## InterSystems Package Manager ZPM 0.2.10 release

We released a new version of ZPM (Package Manager)

New in ZPM 0.2.10 release:

### 1) FileCopy

Added some improvements to already existing tag FileCopy

Example of module.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Export generator="Cache" version="25">
  <Document name="test-binary.ZPM">
    <Module>
      <Name>test-binary</Name>
      <Version>0.0.1</Version>
      <Packaging>module</Packaging>
      <SourcesRoot>src</SourcesRoot>
      <FileCopy Name="lib" Target="${libdir}my-
lib"/> <!-- Copies content of lib folder to target -->
      <FileCopy Name="somefile.jar" Target="${libdir}my-
lib"/> <!-- Copies just desired file to target -->
    </Module>
  </Document>
</Export>
```

Added aliases Target and Dest to attribute InstallDirectory

Supports files as well as directories, no wildcards, just folder content of which should be copied, or particular file

`${libdir}`, `${bindir}` added, `installdir/lib` and `installdir/bin` respectively.

Using `bindir` in docker environments may cause to security issues during install. Using `libdir` works in this case, so, recommended way.

This should work (ending slash in Target is important)

```
<FileCopy Name="dsw/irisapp.json" Target="${cspdir}dsw/configs/" />
```

And this should be the same

```
<FileCopy Name="dsw/irisapp.json" Target="${cspdir}dsw/configs/irisapp.json" />
```

If the Name ends with a slash, it will copy it as a folder. During uninstall it will delete Target folder

```
<FileCopy Name="dsw/" Target="{cspdir}dsw/configs/" />
```

And added support for packaging and uninstalling module. When the module uninstalled it correctly deletes previously copied files.

## 2) Invoke improvements

Don't need wrapper tag anymore

Added a few more attributes:

CheckStatus (Default: false), expects that invoked method returns %Status, and use it to check the status of installation.

Phase, (Default: Configure), the phase during which it should be executed

When, (Default: After), values: Before and After. To execute before or after the main execution for the phase

added support for variables, added \${verbose} variable

```
<Invoke Class="%EnsembleMgr" Method="EnableNamespace" Phase="Compile" When="Before" CheckStatus="true">
  <Arg>${namespace}</Arg>
  <Arg>${verbose}</Arg>
</Invoke>
```

[#InterSystems Package Manager \(IPM\) #Release #InterSystems IRIS #Open Exchange](#)  
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