



# **OPEN-XCHANGE**

**Delivery Paper for  
the OXtender for  
Microsoft Outlook**

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# **OPEN-XCHANGE: Delivery Paper for the OXtender for Microsoft Outlook**

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## 1. Introduction

This paper describes different ways of delivering the OXtender.

With the OXtender for Microsoft Outlook™ you can use Microsoft Outlook™ as a convenient client for the new Open-Xchange Server. The aim is to smoothly transfer users of Microsoft Exchange Server to the Open-Xchange collaboration and integration Server with the help of the OXtender for Microsoft Outlook™. Users continue to use their Microsoft Outlook™ functions in combination with Open-Xchange Server. The conversion to unusual working environments and differently structured screen layouts can be avoided completely. With Open-Xchange OXtender™ for Microsoft Outlook™, the functionality of Open-Xchange typical functions can be used while continuing to work with the Microsoft Outlook™ client.

In the following text the term OXtender will be used as an abbreviation for OXtender for Microsoft Outlook™.

## 2. Installation package

The OXtender will be delivered as MSI (Microsoft Windows Installer) package that can be used to install, uninstall or reinstall this software. Every language comes with a separate MSI installer. Currently, there are three different MSI packages: English, German, and French.

## 3. Delivery methods

There are two different ways of delivering the OXtender:

1. Customize the MSI package and deliver this to the end customer
2. Use the MSI package as an example for an own developed installation routine

Open-Xchange delivers the generic MSI package.

### 3.1. Providing the .msi package for customization

The generic MSI package is delivered. Then the splash screen or other MSI and OXtender based properties can be changed with a MSI editor like orca. Then, the MSI package can be delivered to end customers. There are two Wikipedia entries that gives examples for a possible customization:

<http://www.open-xchange.com/wiki/index.php?title=MSI>

<http://www.open-xchange.com/wiki/index.php?title=MSIsilent>

### 3.2. Providing the .msi package as an example for a possible installation routine

The generic MSI package is delivered together with an XML file of Open-Xchanges's package structure with details on the installer. With this knowledge it should be possible to create an own installer.

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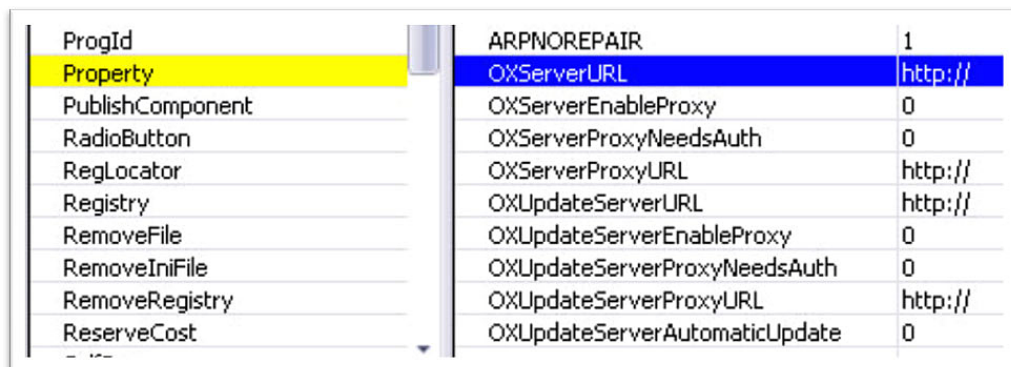
## 4. Preparing .msi file

### 4.1. Open the .msi file

Open the .msi file with Orca or another .msi editor. For this example we will use Orca (you can download Orca here: <http://www.technipages.com/wp-content/uploads/2007/11/orca.Msi> or it is shipped with the Windows SDK Components for Windows Installer Developers [<http://msdn2.microsoft.com/en-us/library/aa370834.aspx>]

### 4.2. Property page [<http://msdn2.microsoft.com/en-us/library/aa370834.aspx>]

After opening the .msi file with Orca go to the Property page of the .msi. You will see following entries:



ProgId	ARNOREPAIR	1
Property	OXServerURL	http://
PublishComponent	OXServerEnableProxy	0
RadioButton	OXServerProxyNeedsAuth	0
RegLocator	OXServerProxyURL	http://
Registry	OXUpdateServerURL	http://
RemoveFile	OXUpdateServerEnableProxy	0
RemoveIniFile	OXUpdateServerProxyNeedsAuth	0
RemoveRegistry	OXUpdateServerProxyURL	http://
ReserveCost	OXUpdateServerAutomaticUpdate	0

Abbildung 1.

### 4.3. There are 9 relevant property entries

1. OXServerURL: URL of the OX server.
2. OXServerEnableProxy: 0 = OX server does not use a proxy, 1 = OX server uses a proxy.
3. OXServerProxyNeedsAuth: 0 = proxy of the OX server does not need authentication, 1 = proxy of the OX server needs authentication.
4. OXServerProxyURL: URL of the proxy
5. OXUpdateServerURL: URL of the update server.
6. OXUpdateServerEnableProxy: 0 = OX update server does not use a proxy, 1 = OX update server uses a proxy.
7. OXUpdateServerProxyNeedsAuth: 0 = OX update server does not need authentication, 1 = OX update server needs authentication.
8. OXUpdateServerProxyURL: URL of the proxy.
9. OXUpdateServerAutomaticUpdate: 0 = no automatic updates, 1 = automatic updates.

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## 4.4. Note / Remember

REMEMBER: If property OXServerURL is unequal to "http://" OX settings page in the installer is not shown. If property OXUpdateServerURL is unequal to "http://" OX update settings page in the installer is not shown.

## 5. Further information

### 5.1. Modification requirements

To be changed:

1. The splash logo

### 5.2. Necessary Efforts and Skills for the Modification

This is an easy task because you only need an MSI editor (e.g. Orca) to modify these two things. Orca is an easy to use MSI Editor with a GUI.

There are basic IT skills necessary to make this modification. Everyone who is familiar with Microsoft software should be able to do the job.

### 5.3. License Handling and update management

At the moment this is bound to the generic license text . There are no technical limitation strategies. Also, there are no keys for the Outlook OXtender.

For the update management, there are two possibilities:

1. Modify Open-Xchange's MSI to include a fixed update server, i.e. upload a new oxlook.dll to your update server (web server). With the next start of the OXtender on your side the OXtender will fetch the new library and install it. For this process there are no signature mechanisms.
2. Upload every new MSI and inform the respective people via E-Mail.

### 5.4. Documentation

Open-Xchange will provide any available OXtender documentation.

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