

# **Project** management – integrated into Outlook

InLoox 6.x deployment via Group Policy

An InLoox Whitepaper

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## **General information**

#### **System Requirements**

#### Server (only for InLoox Workgroup/Enterprise Edition)

The hard- and software requirements depend on the database system used. Please consult the manufacturer's product documentation for valid requirements.

All manufacturers, supported by InLoox, offer a free database product:

- Microsoft SQL Server express edition
- Oracle Express Edition
- MySQL Community Edition

#### Client

Windows XP (with Service Pack 3) or higher and Office 2003 or higher is required. InLoox also supports Windows 7, Office 2007, Office 2010 (32Bit & 64Bit), Terminal Server as well as the 64Bit versions of Windows XP, Windows Vista and Windows 7.

The system requirements depend on the versions used.

Microsoft .NET Framework is a prerequisite and version 2.0 SP1 is, automatically, installed by InLoox on 32-bit systems.

On 64Bit systems the .NET Framework 2.0 SP1 has to be manually installed e.g. via Windows updates.

### **Preparations**

#### Create a shared directory for the MSI Package.

Create a directory on your servers C: drive and adjust the permissionsso that the users are able to **read and write**:

Local Disk (C:)				
🌀 🕞 🖉 🔹 Computer	r 🔻 Local Disk (C:) 👻		👻 🛃 Search	<b>E</b>
ile Edit View Tools H	Help			
Organize 👻 📗 Views	•			6
Favorite Links	Name 🔺	Date modified + Type	▼ Size ▼ Tags ▼	
	970e4083de1534eb	6/23/2009 2:35 AM File Folder		
Documents	ExchangeSetupLogs	2/15/2011 1:24 PM File Folder		
Pictures	📗 inetpub	2/15/2011 1:12 PM File Folder		
Music	InLooxDeployment	2/22/2011 2:21 PM File Folder		
Recently Changed	PerfLogs	1/19/2008 11:11 File Folder		
Searches	🔰 Program Files	2/15/2011 10:03 File Folder		
	Program Files (x86)	8/13/2008 5:29 AM File Folder		
Public	🎍 Users	2/22/2011 2:18 PM File Folder		
	🔰 Windows	2/15/2011 1:26 PM File Folder		
	🔒 WSUS	8/13/2008 5:33 AM File Folder		
	BOOTSECT.BAK	2/15/2011 6:57 PM BAK File	8 KB	

- Create the directory and right-click it to open the context menu. The permissions can be changed under "Properties -> Share..."
   Chooses "Find..." from the dropdown menu.
- 3. Now add the users and groups which are to have access to the directory.

🧾 File	Sharing		X
$\bigcirc$	3 File Sharing		
	Choose people on your network to share with		
	Type the name of the person you want to share with and then click a or share with everyone.	Add, or click the arrow to find people	
		Add	
	Name	Permission Level	
	🙎 Markus Egner	Owner 🔻	
	<u>Tell me about different ways to share in Windows.</u>		
		🕐 Share Cancel	



#### Prepare the MSI package for deployment.

To execute an unattended installation you have to provide the MSI package with cartain parameters. These parameters tell the installer where the MSI package and the connection file (connect.info) are located and in which directory InLoox should be installed.

If you don't have a tool to create MSI packages you may request one from the InLoox support team.

It is also possible to share the package by using a script.

To execute a single user installation the following parameters are necessary: msiexec /i "\\serverName\directory\InLoox\_WorkgroupEnterprise.msi" CMDLINE="/clientinstall connectionfile=""\\serverName\directory\ connect.info"" folder="""C:\Programme\IQ medialab\InLoox""" /quiet

#### To execute a multi user installation the following parameters are necessary:

msiexec /i "\\serverName\directory\WorkgroupEnterprise.msi" CMDLINE="/clientinstall connectionfile=""\\serverName\directory\connect.info"" folder="""C:\Programme\IQ medialab\InLoox"""" /quiet

#### Caution:

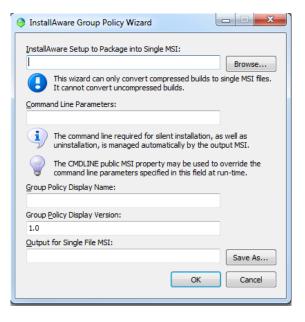
"serverName" and "directory" must be substituted by the servers name or IP-Address and by the shared directory where the necessary files are located (This applies to all references in the remainder of the whitepaper, as well).

It is a prerequisite that an InLoox database and a connect.info file have already been generated by the InLoox setup.

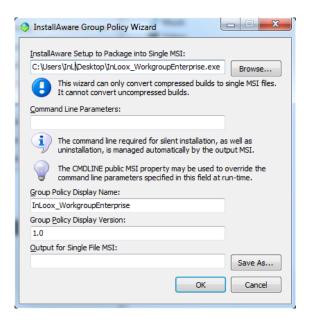


#### Create a MSI Package for deployment.

1. Run the pglwiz.exe application (you can request this program from the InLoox support).



2. Click "Browse..." and choose InLoox\_WorkgroupEnterprise.exe.





3. Insert the parameters, which match your installation type in "Command Line Parameters":

#### For single user installation:

\\serverName\directory\InLoox\_WorkgroupEnterprise.msi" CMDLINE="/clientinstall connectionfile=""C:\connect.info"" folder="""C:\Programme\IQ medialab\InLoox"" /quiet

#### For multi user installation:

\\serverName\ directory \InLoox\_WorkgroupEnterprise.msi" CMDLINE="/clientinstall connectionfile=""C:\connect.info"" folder="""C:\Programme\IQ medialab\InLoox"" /quiet

🤤 Install	Aware Group Policy Wizard
InstallA	ware Setup to Package into Single MSI:
C:\User	rs\InL\Desktop\InLoox_WorkgroupEnterprise.exe Browse
₿	This wizard can only convert compressed builds to single MSI files. It cannot convert uncompressed builds.
<u>C</u> ommar	nd Line Parameters:
\\serve	rName\verzeichnis\InLoox_WorkgroupEnterprise.r
Ì	The command line required for silent installation, as well as uninstallation, is managed automatically by the output MSI.
	The CMDLINE public MSI property may be used to override the command line parameters specified in this field at run-time.
Group P	olicy Display Name:
InLoox	WorkgroupEnterprise
Group P	olicy Display Version:
1.0	
Output	for Single File MSI:
	Save As
	OK Cancel

4. Click on "Save as…" and choose a location where you want to save your new MSI Package (Eminently suitable is the new/existing shared directory!)

🤤 Instal	Aware Group Policy Wizard	
InstallA	ware Setup to Package into Single MSI:	_
C: \Use	rs\InL\Desktop\InLoox_WorkgroupEnterprise.exe	Browse
₿	This wizard can only convert compressed builds to It cannot convert uncompressed builds.	single MSI files.
<u>C</u> omma	nd Line Parameters:	
\\serve	erName\verzeichnis\InLoox_WorkgroupEnterprise.r	
Ì	The command line required for silent installation, a uninstallation, is managed automatically by the ou	
	The CMDLINE public MSI property may be used to command line parameters specified in this field at r	
<u>G</u> roup F	Policy Display Name:	
InLoox	_WorkgroupEnterprise	
Group [	olicy Display Version:	
1.0		
Output	for Single File MSI:	
\\serve	erName\verzeichnis\InLooxMSIpaket.msi	Save As
	ОК	Cancel

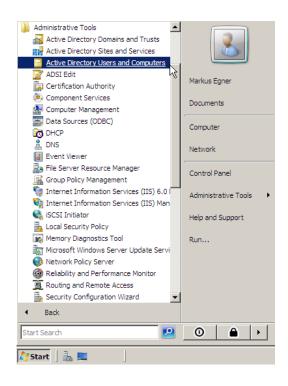
5. Now click on "OK". A new dialog will inform you of the successful creation of the new MSI file.



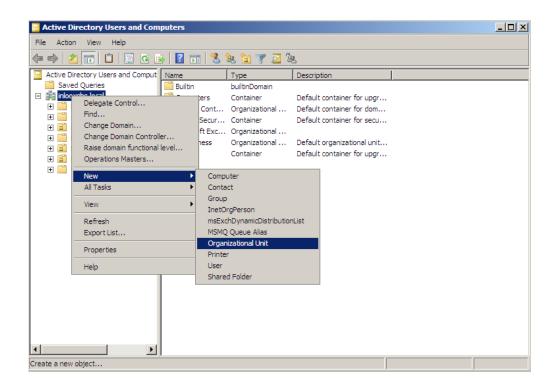
#### Creating an OU (Organizational Unit) and group in Active Directory

Note: You can, of course, use your existing OUs and groups and proceed with the next step.

1. Start the MMC "Active Directory Users and Computers under Start -> Administrative Tools":

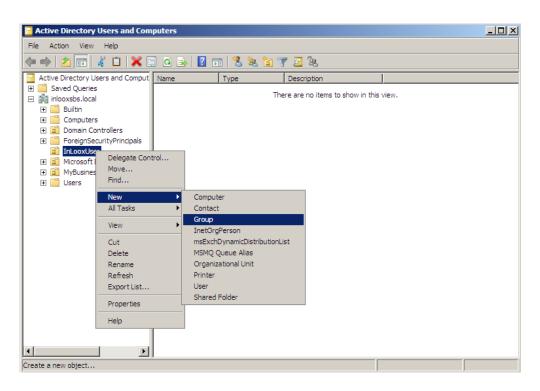


2. Create an OU within your domain and give it a name:

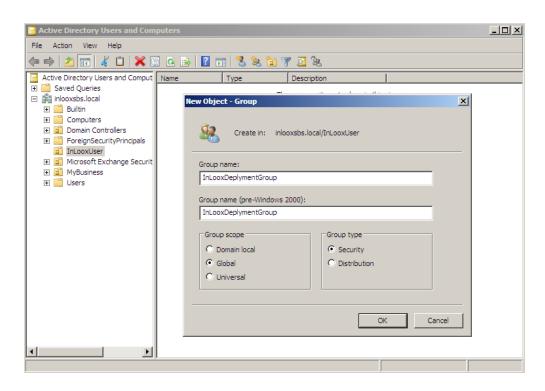




3. Create a new group within your OU:



4. And give it a name:





5. Right-click on the group and select Properties:

InLooxDeplymentGroup Properties	? ×
General Members Member Of Managed By	
In Loox Deplyment Group	
Group name (pre-Windows 2000): InLooxDeplymentGroup	
Description:	
E-mail:	
Group scope C Domain local Group type C Domain local	
Global     O Distribution     Universal	
Notes:	
	A ¥
OK Cancel Ap	ply

6. Select the "Members"-tab and add the Users/Computers which are to get the GPO by clicking the "Add..." button:

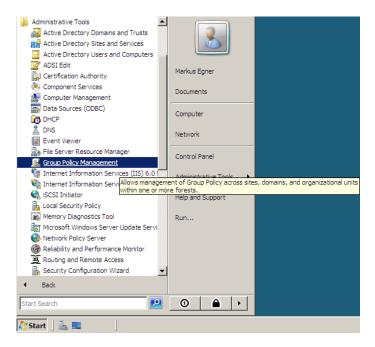
Imene	Members	Member Of	Managed	p., )	
		I member of		ру	
Members Name	1: 	Activo F	limaton, Dom	ain Services Folder	
Name		Active L	mectory Dom	an bervices rolder	
Arte		Bemove	1		
Add		Remove	J		
Ado		Remove			

The preparations are done. The next step is to create a new group policy.

# Create a group policy to deploy InLoox

#### A new group policy object:

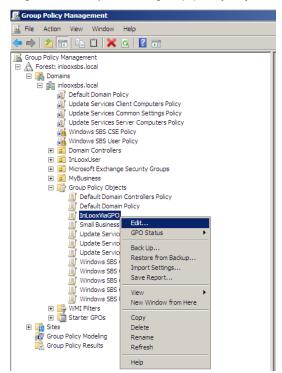
1. Click on "Start -> All Programs -> Administrative Tools -> Group Policy Management":



2. In the group policy management right-click the "Group Policy Objects" then select "New" and give new GPO (Group policy object) a significant name:



3. Right-Click on your new group policy object and select "Edit...":



You are now in the "Group Policy Management Editor". Here you can decide between "Computer Configuration" and "User Configuration". The difference between these two possibilities is determined by who is going to be the recipient for the new GPO. GPO's configured in "Computer Configurations" are for the Computer Objects in the Active Directory and "User Configuration" of course for the User Objects. Here's an example:

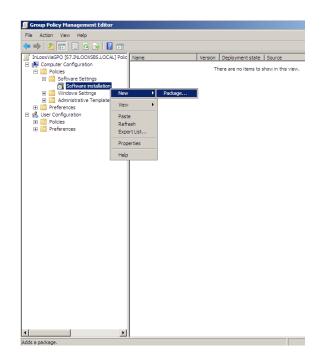
A new GPO is configured in "User Configurations". The policy disables the use of the Internet Explorer for all users which receive the GPO. The GPO will work on every computer in the whole Active Directory no matter where the user logs on the system.

Had the GPO be configured in "Computer Configurations" only the computers which are linked to the GPO, would be denied use of the Internet Explorer no matter who logs on to the client.

Group Policy Management Edito	<b>r</b>	
File Action View Help		
InLooxViaGPO [S7.INLOOXSBS.LO	InLooxViaGPO [57.INLOOX585	LOCAL] Policy
🕀 🚞 Policies	Select an item to view its description.	Name
		E Computer Configuration
Policies     Preferences		is user configuration
E Preferences		
•	Extended Standard	

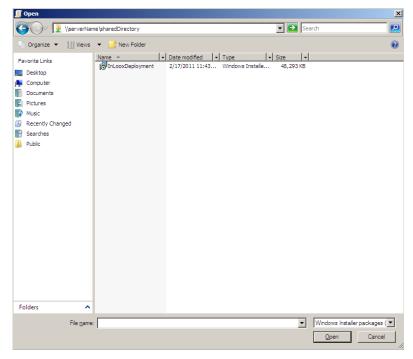


4. In our case the configuration in both "Computer and User Configuration" is the same, so we're only going to edit the "Computer Configuration" to show how it's done. Expand the node "Computer Configuration" -> Policies -> "Software Settings". Right-Click "Software installation" and select "New"->"Package..."



5. In the next dialog please enter the full UNC path to the MSI package in the address bar. It's very important to enter the UNC path because the clients won't find the proper file under "C:\sharedDirectory".

\\serverName\sharedDircetory, on the other hand, is explicit for every unit on the network.





6. In the next dialog please choose "Assigned" and then click "OK". The difference between "Assigned" and "Published" is the way in which the software will be installed. "Assigned" means that the software will be installed without the users interaction. "Published" means the user can decide if he wants to install the program from the control panel or not.

Caution !:

This is (in our case) the only difference between Computer and User Configuration. In the Computer Configuration "Published" is deactivated by default.

Deploy Software	×
Select deployment method:	
C Published	
<ul> <li>Assigned</li> </ul>	
C Advanced	
Select this option to Assign the application without modifications.	
OK Cancel	

7. The new software installation is now listed in the "Group Policy Management Editor" table under "Software installation". Right-Click the object and select "Properties".

🗐 Group Policy Management Editor				
File Action View Help				
🗢 🔿 🙍 🗊 📮 🖉 🖬				
InLooxViaGPO [S7.INLOOXSBS.LOCAL] Polic Computer Configuration Software Settings Software Installation Softwa	Name A InLoox_WorkgroupEnte	Version 1.0	Deployment state Assigned	Source
Opens the properties dialog box for the current s	election.			



8. Select the "Deployment" tab from the "Properties" dialog and then click on "Advanced…":

InLoox_WorkgroupEnterprise Properties				
General Deployment Upgrades Categories Modifications Security				
Deployment type				
C Published				
Assigned				
Deployment options				
Auto-install this application by file extension activation				
Uninstall this application when it falls out of the scope of management				
Do not display this package in the Add/Remove Programs control panel				
Install this application at logon				
Installation user interface options				
C Basic				
C Maximum				
Advanced				
OK Cancel Apply				

9. In the "Advanced Deployment Options" mark both checkboxes and confirm by clicking "OK". It's very important to mark the "Ignore language(…)"-Checkbox. Otherwise there could be problems while distributing (any) software to a Windows 7 client!

Advanced Deployment Options					
Advanced deployment options: IV Ignore language when deploying this package					
Make this 32-bit X86 application available to Win64 machines.					
Include OLE class and product information.					
Advanced diagnostic information:					
Product code:	{450420D9-E212-456F-99AE-C2285BEF7828}				
Deployment Count: 0					
Script name:	\\inlooxsbs.local\SysVol \inlooxsbs.local\Policies \{460D424E-4741-4017-AFDE-230E7B1FC59B} \Machine \Applications \{4CBEB992-CDAF-471F-BC37-8BDB9C057983}.aas				
	OK Cancel				

The GPO is now created and configured. Now we're going to connect the GPO to the OU.



# Linking a Group Policy Object

#### Link the GPO to an Organizational Unit.

1. Right-Click in the "Group Policy Management", on the target OU, and select "Link an existing GPO…":

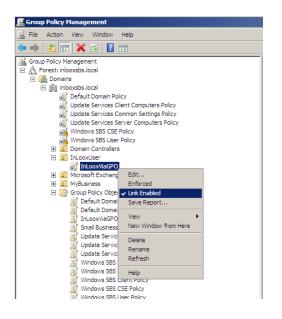
📓 Group Policy Management				
🔣 File Action View Window Help				
(= =) (2) 🖬 🗎 🗙 🖺 🖸 🚺 🖬				
Group Policy Management				
E A Forest: inlooxsbs.local				
🗆 📑 Domains				
🗆 🏥 inlooxsbs.local				
🗊 Default Domain Policy				
Update Services Client Computers Policy				
Update Services Common Settings Policy				
Update Services Server Computers Policy				
Windows SBS CSE Policy Windows SBS User Policy				
Microsoft E Create a GPO in this domain, and Link it here				
MyBusiness Link an Existing GPO				
E 😭 Group Policy Block Inheritance				
Default				
Default Group Policy Modeling Wizard				
InLoox New Organizational Unit				
Small Bu View ▶				
Update New Window from Here				
Update				
JUpdate Delete				
J Window Rename				
Window Refresh				
Window Properties				
Window Help				
WMI Filters				
🕀 🙀 Sites				
🙀 Group Policy Modeling				
🔀 Group Policy Results				
1 III				

2. In the next dialog, select the GPO you want to link to and click "OK":

Select	:GPO		×
Look i	in this domain:		
	inlooxsbs.local		•
Group	Policy objects:		
	Name 🔺		
	Default Domain Controllers Policy		
	Default Domain Policy		
	InLooxViaGPO		
	Small Business Server Folder Redirection Policy		
	Update Services Client Computers Policy		
	Update Services Common Settings Policy		
	Update Services Server Computers Policy		
	Windows SBS Client - Windows Vista Policy		
	Windows SBS Client - Windows XP Policy		
	Windows SBS Client Policy		-
	,		_
		OK	Cancel



3. To check if the GPO is linked properly, right-click on the GPO-link under the OU and make sure there's a check mark next to "Link Enabled":



The GPO is now fully created, configured and linked properly.

#### **IMPORTANT!**

Before you deploy the software make sure that the MSI package and the connection file (connect.info) are stored in the shared directory!