

# OBJECTIVE TRAPEZE PROFESSIONAL

## DEPLOYMENT GUIDE

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# 1. OVERVIEW

This document will guide you through the process of installing and configuring Objective Trapeze for the first time for users in your organization. Please see the [Trapeze Upgrade Guide](#) for guidance upgrading Objective Trapeze if you have already installed it.

## 1.1 GETTING ASSISTANCE

Should you require any assistance with the installation and deployment of Objective Trapeze, please feel free to contact the Objective Trapeze Support team by emailing [trapeze.support@objective.com](mailto:trapeze.support@objective.com).

## 1.2 PLANNING

The following steps are a guide to planning your installation and deployment:

1. Decide which users will have Objective Trapeze installed on their computers. We recommend larger organizations create an Organisational Unit or Group for these users if one does not already exist as it will make installation and deployment to multiple machines easier.
2. Decide how you want your users to authenticate, the OBJECTIVE ID AUTHENTICATION section explains this decision in detail.
3. Download and run the installer for the latest version of Objective Trapeze.
4. Deploy your Objective Trapeze license, the LICENSING OBJECTIVE TRAPEZE section explains this deployment in detail.
5. Ensure Objective Trapeze can communicate with the Trapeze Cloud, the INTERNET CONNECTIVITY section explains this requirement in detail.
6. Optionally set Windows file associations.
7. Optionally use the Objective Trapeze Portal to configure Objective Trapeze.

## 1.3 SYSTEM REQUIREMENTS

	Minimum	Recommended
Operating System	Windows 8 Windows Server 2003	Windows 10 Windows Server 2019
RAM	2GB	4GB or more
Processor	Intel®, AMD, or ARM processor	
Hard Disk Space	375 MB free disk space for install	
Internet	Internet connection	
Browser (Active Document Server)	Windows IE	

**Note:** Objective Trapeze is Citrix and Terminal Services compatible.

## 2. INSTALLING OBJECTIVE TRAPEZE

### 2.1 OBJECTIVE ID AUTHENTICATION

As part of installing and deploying Objective Trapeze it is important to decide how you would like your users to sign in when using Objective Trapeze, there are two options:

1. Users sign up for a new Objective ID account specifying their email address and a password the first time they use Objective Trapeze.
2. Users sign in using existing credentials. This option requires configuring federated authentication between the Objective ID system and your identity provider before enabling Objective ID Authentication. This is the option we recommend for the following reasons:
  - Your users benefit from using familiar credentials and don't have to remember a new password.
  - Your IT team benefits from the security benefits of the same identity being used to sign into multiple systems. For example, when a user leaves an organization their access to Objective Trapeze is easily revoked at the same time as their access to other systems.

Please see the [Objective ID Federated Authentication Guide](#) for more information regarding identity federation and contact the Objective Trapeze Support team by emailing [trapeze.support@objective.com](mailto:trapeze.support@objective.com) to start the process of configuring federated authentication.

**Note:** If you configure federated authentication you can set a registry entry with your domain to enable automatic authentication which saves your users from having to enter their email address when running Trapeze for the first time.

To enable create a String (REG\_SZ) registry value named "IDP Id" with the value set to your domain (e.g. "examplecouncil.state.gov.au") in the following location:

`Computer\HKEY_CURRENT_USER\SOFTWARE\Onstream\Trapeze\3.0\Objective`

### 2.2 WHERE TO GET THE LATEST VERSION

You can download the installer for the latest version of Objective Trapeze from the [Trapeze Download Page](#).

We recommend using the 64-bit MSI Installer to install Objective Trapeze however in some rare cases you may need to use the 32-bit version of Objective Trapeze for compatibility with integrations, for example the Content Manager 32-bit client API.

Please contact the Objective Trapeze Support team by emailing [trapeze.support@objective.com](mailto:trapeze.support@objective.com) if you are unsure which installer to use.

## 2.3 RUNNING THE INSTALLER

For smaller deployments of Objective Trapeze you can run the MSI or the Executable installer on each machine and follow the on-screen steps.

For organizational deployments the MSI installer is recommended as it can be used to easily install Object Trapeze silently on many computers. The MSI installer will automatically run silently when invoked from Group Policy, however if running the installer from the command line or a script the '/q' parameter is necessary to request a silent installation.

e.g. `msiexec /i Objective Trapeze.msi /q`

For further MSI usage instructions please run "msiexec /?"

The steps to install via Group Policy are as follows:

**Note:** The approach suggested here requires an Organisational Unit (OU) be defined to specify which computers the Group Policy Object (GPO) will be applied to, to create an OU and add computers to it please use Active Directory Users and Computers management console (Start > Administrative Tools > Active Directory Users and Computers). Though in large organizations its very likely that suitable OUs should already exist for the purpose of deployment and it should just be a matter of identifying which OU the GPO will be linked to.

1. On your network fileserver create a shared network folder where you will put the Objective Trapeze .msi installer.
2. Set permissions on the share to allow access to the installer package.
3. Copy the Objective Trapeze installer to your network shared folder.
4. Open the **Group Policy Management Console** (Start > Administrative Tools > Group Policy Management, or gpmc.msc).
5. Right-Click **Group Policy Object**, and then click **New**.
6. Type a name for this new GPO and then press enter, e.g. Install Objective Trapeze.
7. Expand **Group Policy Object**, right click your new "Install Objective Trapeze" GPO and click **Edit**.
8. Under **Computer Configuration**, expand **Policies** and then expand **Software Settings**.
9. Right-click **Software installation**, point to **New**, and then click **Package...**
10. In the Open dialog box, type the full UNC path of the shared installer package that you want. E.g. \\fileserver\share\Trapeze.msi.
11. Click Open.
12. Click Assigned, and then click OK. The installer package is listed in the right-pane of the Group Policy window.
13. Close the **Group Policy Management Editor**.
14. Back in **Group Policy Management** navigate to the Organisational Unit you want to apply this GPO to, right click the **OU** and then click **Link an Existing GPO...** Select the Install **Objective Trapeze** GPO and click OK.

**Note:** For further information about Window Installer deployment using Group Policy please refer to Microsoft documentation.

## 3. LICENSING OBJECTIVE TRAPEZE

Objective Trapeze is licensed per user and needs a valid license key in order to run. If no license is found when Objective Trapeze starts users will be prompted to enter their license key, the license can be entered manually but for large organizations it is more convenient to push out the license key to all the users during deployment.

Group Policy can be used to push out the license as Windows registry values. Objective Trapeze reads the license and user preferences from the HKEY\_CURRENT\_USER registry node.

Your license can be pushed to HKEY\_CURRENT\_USER registry by setting the following values:

```
Windows Registry Editor Version 5.00
[HKEY_Current_User\Software\Onstream\Trapeze\3.0\License]
"Customer"="YourCustomerLicenseValue"
"Location"="YourLocationLicenseValue"
"Key"="YourKeyLicenseValue"
```

Note that the above are String registry values (REG\_SZ), named "Customer", "Location", "Key". The data value for each is obtained from your license file, e.g. Customer = "Objective Corporation".

### 3.1 APPLYING YOUR LICENSE MANUALLY

Users can manually enter the Objective Trapeze license by clicking **Sidebar > About Objective Trapeze > Enter License**.

Click **License File...** to browse and select your .tpz license file, or copy and paste your license text into each field.

### 3.2 APPLYING YOUR LICENSE USING GROUP POLICY

The approach suggested here uses Group Policy Object (GPO) Security Filtering to apply the Objective Trapeze license to a specific group of users. This requires an Organisational Unit (OU) and Security Group be defined to specify which computers and users the Objective Trapeze license will be applied to. We recommend creating an Objective Trapeze Users security group so that the specific users can be easily targeted to apply the Objective Trapeze license.

To create an OU and add computers to it please use **Active Directory Users and Computers management** console (Start > Administrative Tools > Active Directory Users and Computers). Though in large organizations its very likely that suitable OUs should already exist for the purpose of deployment and it should just be a matter of identifying which OU the GPO will be linked to.

1. Open the **Group Policy Management Console** (Start > Administrative Tools > Group Policy Management, or gpmc.msc).
2. Right-Click **Group Policy Object**, and then click **New**.
3. Type a name for this new GPO and then press enter, e.g. Apply Objective Trapeze License.
4. Right-Click the new Apply Objective Trapeze License GPO and click **Edit**.
5. Navigate to User Configuration > Preferences > Windows Settings > Registry.
6. Right-Click Registry and create 3 new Registry Items with the below parameters.

**Note** Refer to your Objective Trapeze license file (.tpz) for the Customer, Location, and key values. You can open your .tpz file using a text editor such as Notepad.

### "Customer" Registry Item

Action	Create
Hive	HKEY_CURRENT_USER
Key Path	SOFTWARE\Onstream\Trapeze\3.0\License
Value name	Customer
Value type	REG_SZ
Value data	Enter the Customer value from your license

### "Location" Registry Item

Action	Create
Hive	HKEY_CURRENT_USER
Key Path	SOFTWARE\Onstream\Trapeze\3.0\License
Value name	Location
Value type	REG_SZ
Value data	Enter the Location value from your license

### "Key" Registry Item

Action	Create
Hive	HKEY_CURRENT_USER
Key Path	SOFTWARE\Onstream\Trapeze\3.0\License
Value name	Key
Value type	REG_SZ
Value data	Enter the Key value from your license

7. Close the Group Policy Management Editor.
8. Back in Group Policy Management navigate to the Organisational Unit you want to apply this GPO to, right click the OU and then click **Link an Existing GPO...** Select the Apply Objective Trapeze License GPO and click **OK**.
9. Expand the OU you have linked the GPO to and select the Apply Objective Trapeze License GPO.
10. In the right pane under Security Filtering section click **Add...** Select and add the Security Group of users you want to apply the Objective Trapeze license to.

**Note:** By default, a GPO is applied to all authenticated users of the domain, in the next step we will disable this behaviour because we only want to apply the Objective Trapeze license to the specific users in the security group.

11. Go to the Delegation tab and click Advanced...
12. Select Authenticated users and untick Apply group policy in the list of permissions.
13. Steps completed. The license will be applied for all users of your Objective Trapeze Users security group.

**Note:** For more information about using Group Policy to deploy Windows registry values please refer to Microsoft documentation.



# 4. WINDOWS FILE ASSOCIATIONS

## 4.1 SETTING FILE ASSOCIATIONS USING GROUP POLICY

The recommended best practise is to use in the built-in Windows tools for managing default programs and file associations. Although Objective Trapeze can register itself as a handler for various file types (.pdf, .tiff etc.) it is no longer able to set itself as the default handler due to limitations in recent versions of Windows.

In newer versions of Windows (Windows 8 and onwards) applications do not have permission to modify default application associations programmatically, instead it is up to the user or administrator to select the default program for each file type. This limitation was introduced in Windows 8, where a 'userchoice' hash mechanism is used to ensure that only the individual user or administrators can change default programs.

Therefore, the recommended approach for managing default applications and file associations is to use Windows administrative tools and Group Policy.

The general steps for deploying default file associations using group policy are:

1. Set up a reference computer, e.g. install Objective Trapeze to a test PC and use **Control Panel** or **Settings > Apps > Default Apps > Choose default apps by file type** to define default applications for file types and protocols.
2. Export your default app associations with dism.exe.
3. Dism.exe /online /Export-DefaultAppAssociations:"C:\Temp\DefaultApps.xml".
4. Using Group Policy create the following policy **Set a default associations configuration file** located in Computer\Policies\Administrative Templates\Windows Components\File Explorer.

**Note:** The user can change their file associations while this policy is applied, but at each logon the default association configured in XML file will be applied.

**Note:** For further information on managing Windows file associations please refer to Microsoft documentation.

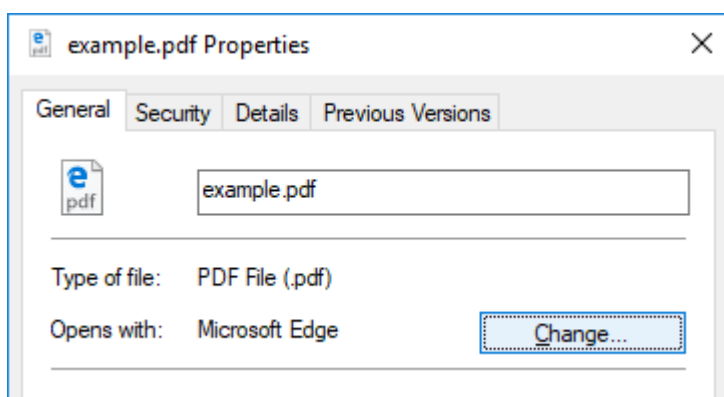
## 4.2 SETTING FILE ASSOCIATIONS MANUALLY

An alternate option to pushing out default applications is to allow the users to manually choose the default program they prefer for each respective file type.

Users can use Windows Settings app to modify default programs, e.g. Open **Settings > Apps > Default Apps > Choose default apps by file type** to select the default handler for each file type.

Or alternately by individually selecting documents or files. **Right-click** a file, click **Properties**, then click **Change...**

Select **Objective Trapeze** and click **OK**



## Choose an application



Microsoft Edge

*Recommended for Windows 10*



Adobe Acrobat



Google Chrome



Internet Explorer



Objective Trapeze



Reader



Word



Look for an app in the Microsoft Store

## 5. INTERNET CONNECTIVITY

When Objective Trapeze starts it creates TLS encrypted HTTPS connections to **trapezels.objective.com** and **objectiveidpapacprod.auth.ap-southeast-2.amazoncognito.com** on port 443.

The purpose of these connections is to check user identity and to ensure your license is valid, these checks are mandatory and must be done for Objective Trapeze to run.

For some organizations this may require changes to network security to allow the connection or Objective Trapeze to be configured to connect via a proxy server.

**Note:** Once Objective Trapeze has successfully performed a license check it enters a 30-day grace period allowing users to run Trapeze without internet connectivity during this time.

### 5.1 PROXY SERVER CONFIGURATION

By default, Objective Trapeze will automatically use Proxy Settings set via Windows Settings (**Settings > Network & Internet > Proxy**) or via the Proxy Auto-Config (PAC) and the Web Proxy Auto-Discovery Protocol (WPAD) standards.

Should you require any assistance configuring Objective Trapeze to use a Proxy Server, please feel free to contact the Objective Trapeze Support team by emailing [trapeze.support@objective.com](mailto:trapeze.support@objective.com).

## 6. CLOUD ADMINISTRATION

Objective Trapeze Cloud Administration allows you to easily manage the configuration of Objective Trapeze for all your users including easily sharing Stamps and Presets.

Please see the [Trapeze Cloud Admin Guide](#) for guidance about using the Admin Portal to manage your Objective Trapeze configuration.