Recast

Deploy using Microsoft Intune & Autopilot (Windows – Bootstrapper 2.1)

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> The information in this article is applicable only to devices with Windows OS and Bootstrapper 2.1

Instead of manually converting multiple apps that you need into .intunewin files and then upload and configure them individually in Microsoft Intune, you can just add the Application Workspace Agent Bootstrapper to Microsoft Intune and then deploy multiple apps at once.
Currently, there is no possibility to enrol a machine running the Recast Agent with Microsoft Intune, because you cannot add the Application Workspace configuration file. There are only two ways to integrate Recast with Microsoft Intune: either by adding the Application Workspace Agent Bootstrapper within Microsoft Intune, or creating a Bootstrapper script. The following step-by-step instructions will help you deploy the bootstrapper within Microsoft Intune.

Application Workspace configurations

Create a self-signed certificate

1. In Application Workspace, navigate to **Manage** > **System** > **Device Registrations**.
2. Click on ✚**Create** in the table toolbar.
3. In the **Create device registration** dialog box that opens, configure the following:
    - In **Type**, select *Certificate** and click **Next**.
    - In **Overview**, write a name, for example *Device enrollment* and click **Next**.
    - In **Settings**, check the **Use a self signed certificate for the device registration** option. This will create a self-signed certificate for you. Click **Next**.
    - In **Self signed**, write a common name and change the days valid and key size if needed. Click**Next**.
    - In **Summary**, uncheck the **Modify device registration after creation** option. Click **Finish**.

Create a device collection

1. In Application Workspace, navigate to **Manage** > **Identities** > **Device Collections**.
2. Click **Create** in the table toolbar.
3. In the **Create device collection** dialog box that opens, configure the following:
    - In **Type**, select *Dynamic* and click **Next**.
    - In **Overview**, write a name, for example *MS Intune Devices* and click **Next**.
    - In **Summary**, leave the **Modify device registration after creation** option checked. Click **Finish**.
4. In the detailed view of the new device collection, configure the following:

- In **Conditions**, click **Create filter set** in the screen top menu. Then click **Create filter**.
- In the **Create filter** dialog box that opens, configure the following:
  - In **Type**, select *Device name*.
  - In **Value**, insert the prefix your organization uses within Microsoft Intune.
  - Click **Confirm**.
- Leave the operator set to AND. Create a new filter in the new filter set, with the following parameters:
  - In **Type**, select **System manufacturer**.
  - In **Value**, insert the system manufacturer your organization uses.
  - Click **Confirm**.
- Create a new filter in the new filter set, with the following parameters:
  - In **Type**, select **System model**.
  - In **Value**, insert the system model your organization uses.
  - Click **Confirm**.
- Click **Save** in the top menu of the **Conditions** screen.

Create a deployment

1. In Application Workspace, navigate to **Manage** > **Automation** > **Deployments**.
2. Click **Create** in the table toolbar.
3. In the **Create deployment** dialog box that opens, configure the following:
   - In **Name**, write MS Intune Deployment. Click **Next** and then **Finish**.
4. In the detailed view of the new deployment, configure the following:
   - In **Packages**, click on the browse button ... and select the packages you want to deploy.
   - In **Assignments**, click on the browse button ... and select the MS Intune Devices device collection you previously created. Click **Confirm**.

Configure the Agent required for Microsoft Intune

1. Open Windows File Explorer and navigate to `Local Disk (C:)`.
2. Open the Temp folder. If it's not there, create one. You will use this folder to store all the required files.
3. Create a new folder named Recast.
   - Inside it, create a JSON file named `Agent.json`.

4. Open the JSON file and create your own settings based on the information inAgent.json File Configuration.

5. See Agent Configuration for the Liquit Workspace Agent or Agent Configuration for Application Workspace Agent for more information on creating an Agent configuration file.

It is important to have the following settings configured:

- The device must be configured to register itself with credentials or certificate, depending on the type of the Agent.
- **Context** set to *Device*.
- **Deployment.Autostart.Enabled** set to *true*.
- **Deployment.Enabled** set to *true*.
- **Deployment.Start** set to *false*. The deployment start must be *false* because the bootstrapper and the installer will automatically trigger the deployment.

If you run the installer without the bootstrapper remember to set these flags correctly.

Agent.XML example

```
<Register>
   <Type>1</Type>
   <Username><![CDATA[LOCAL\wksimport]]></Username>
   <Password><![CDATA[P@ssw0rd]]></Password>
</Register>
<Deployment>
   <Enabled>True</Enabled>
   <Start>False</Start>
   <Cancel>False</Cancel>
   <Events>False</Events>
   <Context>Device</Context>
   <AutoStart>
      <Enabled>True</Enabled>
      <Timer>0</Timer>
      <Deployment>RecastSoftware</Deployment>
   </AutoStart>
</Deployment>
```

Agent.JSON example

```
{
   "zone":"https://example.recastsoftware.com",
   "registration": {
      "type": "Certificate"
   },
   "log": {
      "level": "Debug"
   },
   "deployment": {
      "enabled": true,
      "start": false,
      "context": "device",
      "cancel": true,
      "triggers": false,
      "autoStart": {
         "enabled": true,
         "deployment": "RecastSoftware",
         "timer": 0
      }
   }
}
```

Microsoft Intune configurations

Download all the files required for Microsoft Intune

1. Navigate to **Manage** > **Device Registration** and open the device registration you created earlier. In the detailed view of the registration navigate to **Settings**. Click on **Download for agent registration**. You will need this certificate later to create an intunewin file for Microsoft Intune.

2. Download the latest version of the bootstrapper in the `C:\Temp\Liquit` folder you created previously.

3. Download the latest version of IntuneWinAppUtil. You should download it in a folder different than `C:\Temp\Liquit` otherwise it will be included in the .intunewin file later on.

Prepare the .intunewin file for Microsoft Intune

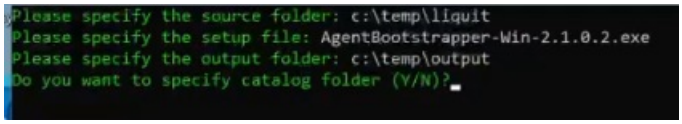
1. Start IntuneWinAppUtil.exe as Administrator

2. Inside the tool, navigate to `C:\Temp\Liquit`. Press the Enter key on your keyboard.

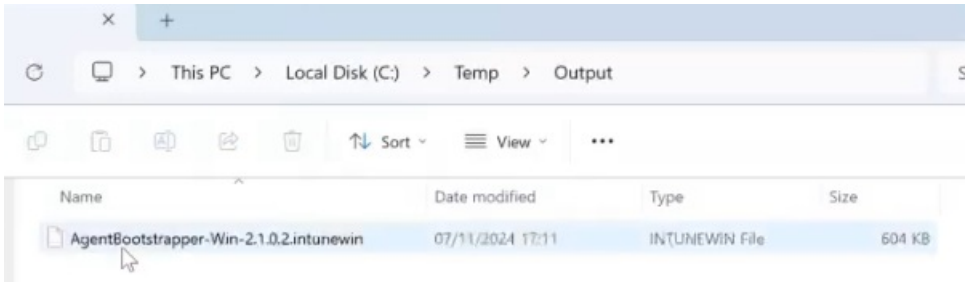
3. Then specify the AgentBootstrapper file. Press the Enter key on your keyboard.

4. Then specify a name for the output folder. For example `C:\Temp\Output`. Press the Enter key on your keyboard.

5. When prompted for the catalog folder, press the N key on your keyboard and then press the Enter key on your keyboard.



6. After the bootstrapper has run, navigate to the output folder to find the .intunewin file.



Upload the .intunewin file to Microsoft Intune

1. Go to Microsoft Intune admin center.
2. Select **Apps** > **By platform** > **Windows** > **+ Create**.
3. On the **Select app type** pane that opens, under the **Other app types**, select **Windows app (Win32)** and then click **Select**.



4. On the **App information** page click **Select app package file**.
5. The **Add package file** page opens where you upload the .intunewin file you previously prepared in Prepare the .intunewin file for Microsoft Intune, step 6. After you finish and click **OK** you can see that Intune already filled in some of the app info. Once you finish filling in all the necessary details, click **Next**.
6. On the **Program** page, configure the following:
   - the install command (see Application Workspace Agent Bootstrapper 2.1.0.2. For example: `AgentBootstrapper-Win-2.1.0.2.exe /startDeployment /waitForDeployment /logPath=C:\Windows\Temp`
     If you're using a certificate to register, specify the name and path. (/certificate="path/to/file.cer"). For more information, see Application Workspace Agent Bootstrapper 2.1.0.2.
     If you want to deploy a Liquit Workspace Agent and not the Application Workspace Agent, specify the `/legacyDownload` parameter. This is for the 3.10 agent or pre-4.0 servers.
   - the uninstall command, for example `AgentBootstrapper-Win-2.1.0.2.exe /uninstall`
   - After you finish specifying the desired command, click **Next**.
7. On the **Requirements** page, Select the 32 and 64-bit operating system architectures and the minimum operating system. Click **Next**.
8. On the **Detection rules** page, add your custom detection script for the Agent. For example:

```
# Define an array of file paths to check
$filePaths = @(
   "C:\Program Files\Liquit Universal Agent\Agent.exe",
   "C:\Program Files (x86)\Liquit Universal Agent\Agent.exe",
   "C:\Program Files (x86)\Liquit Workspace\Agent\Agent.exe"
)

# Loop through each file path and check if it exists
foreach ($path in $filePaths) {
   if (Test-Path $path) {
      Write-Host ("Application Workspace is installed at " + $Path)
      Exit 0
   }
}
Write-Host ("Application Workspace is not installed!")
Exit 1
```

If you signed the script, you can enable the option **Enforce script signature check and run script silently** to run the script silently.

8. On the **Dependencies** and **Supersedence** pages click **Next**.
9. On the **Assignments** page, assign it to devices, users or groups as needed. Click **Next**.
10. On **Review + create** page, review the values and settings that you entered for the app. Click **Create** to add the bootstrapper to Microsoft Intune.

Autopilot Enrollment Status Page

During the Device setup stage in the Autopilot ESP the Recast Agent will be installed, registered and then the deployment will start automatically,

For a video walkthrough, watch Microsoft Intune & Application Workspace Deployment Guide on our YouTube channel.