

# Integrating with Application Migration

Application Migration intelligently automates the migration of applications during a Configuration Manager OS deployment. Using migration rules (defined by an administrator), previously installed applications can be reinstalled, upgraded or replaced with an alternative during an OS deployment task sequence.

These rules can include usage criteria, allowing you to choose to only install previously installed applications if they were being used, or perhaps replace a rarely used application with a less costly alternative. This functionality enables applications to be actively rationalized during an OS migration exercise, standardizing on products and versions and reclaiming unused software.

Shopping provides the following features which support migration of applications during OS deployment:

- **Windows Servicing Assistant (WSA)** is a client based Wizard, and the preferred choice. It requires:
  - 1E Client as described in [Preparation: 1E Client](#)
  - **Nomad 7.0** or later as it is required to manage content and storage of user state using custom task sequence steps that are implemented with it
  - And one of the following:
    - [Application Migration 3.0](#) (and [Tachyon 5.0](#)) with **1E Client 5.0** and its latest accumulated hotfix
    - [Application Migration 3.1](#) (and [Tachyon 5.1](#)) with **1E Client 5.1**
- **Shopping OS Deployment Wizard.** It requires:
  - 1E Client as described in [Preparation: 1E Client](#)
  - And *one* of the following:
    - [Application Migration 2.5.200](#) (and [SLA Platform 3.3](#))
    - [AppClarity 5.2](#) which supports the legacy app mapping feature (only for existing customers)

Please refer to [Self-service Operating System deployment](#) for more information on configuring OS Deployment applications

You can optionally integrate with Application Migration to supplement [Self-service Operating System deployment](#), whereby the Windows Servicing Assistant (WSA) or the Shopping OSD Wizard can show users which applications will be migrated to their new OS.

When Shopping is used for self-service OS deployment, the OSD Wizard (Applications to reinstall page) lists applications that are currently installed and the corresponding applications that will be installed as a result of applying the defined Application rules. In order for Shopping to display this list when Application Migration is in use, it is necessary to enable Shopping integration with Application Migration as follows.

To integrate with Application Migration:

Integration	
AppClarity Database	
AppClarity Database Server Instance	
AppClarity Endpoint	
AppClarity Integration	False
AppMigration Endpoint	1 <a href="http://1E01.corp.1EDemoLab.com:8080">http://1E01.corp.1EDemoLab.com:8080</a>
AppMigration Mode	2 <b>AppMigration</b>
Catalog Endpoint	
Integration Mode	AppClarity
SLA Platform Password	4 ●●●●●●
SLA Platform Username	3 <b>1EDemoLab\Administrator</b>

1. Under **Integration** in the Shopping Admin console, for **AppMigration Endpoint** enter the URL (in the format, `http` or `https://serverFQDN:port`) for the SLA platform.
2. For **AppMigration Mode** choose AppMigration from the list.
3. For **SLA Platform Username** enter user account that Shopping will use to query the SLA platform. This must be a user defined in the SLA Platform, as described in [SLA Platform 3.3: Creating a new user](#).
4. For **SLA Platform Password** enter the password for the user account specified in step 3
5. Click **Save**. If any of these parameters are incorrect or the endpoint is not available, you cannot save them until you resolve the errors.

**AppClarity Integration** must be set to **False**. A description of settings, their values and behavior are listed below:

Setting	Default value	Notes
AppClarity Database	No default value set	Name of the AppClarity database to connect to.

AppClarity Database Server Instance	No default value set	Name of database server instance hosting the AppClarity database. <ul style="list-style-type: none"> <li>Use the &lt;ServerName&gt; format If the AppClarity database is hosted on the default SQL Server instance</li> <li>Use the &lt;ServerName&gt;\&lt;InstanceName&gt; format if the AppClarity database is hosted on a named SQL Server instance</li> </ul>
AppClarity Endpoint	No default value set	The AppClarity integration services URL. For example, <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <pre>http://&lt;server name&gt;:8335/appclarity/services/integration</pre> </div> where <server name> is the server where the AppClarity service is installed. If the URL has been modified from the default, contact the AppClarity administrator for details of the integration services URL.
AppClarity Integration	False	Values are: <ul style="list-style-type: none"> <li>True – use AppClarity for software inventory</li> <li>False</li> </ul>
AppMigration Endpoint	No default value set	The SLA Platform service endpoint URL that is used to query it for reinstall applications during as OS deployment. Used when the AppMigration mode is AppMigration. For example, <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <pre>http://[ServerName.DomainName:Port] https://[ServerName.DomainName:Port]</pre> </div>
AppMigration Mode	Shopping	Where information about applications to be reinstalled during an OS deployment is derived from: <ul style="list-style-type: none"> <li>Shopping – information is derived from Shopping</li> <li>AppMigration – information is derived from the SLA Platform</li> </ul>
Catalog Endpoint	No default value set	Location where the 1E Catalog is installed. Examples: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <pre>http://localhost/CatalogWeb/Api http(s)://[ServerName.DomainName[:Port]]/CatalogWeb/Api</pre> </div>
Integration Mode	AppClarity	Indicates how Shopping applications and application migration rules are mapped to applications: <ul style="list-style-type: none"> <li>AppClarity - only used for AppClarity 5.0 (or earlier)</li> <li>Catalog</li> </ul> If you are running AppClarity 5.1 or later, use the upgrade tool to update existing application mapping and application migration rules to use the Catalog and update <b>Integration Mode</b> to Catalog.
SLA Platform Password	No default value set	The password for the SLA Platform account used to query the platform for reinstall applications during and OS deployment. This setting is required when <b>AppMigration Mode</b> is AppMigration.
SLA Platform Username	No default value set	The name of the SLA Platform account (in the format: user@domain) used to query the platform for reinstall applications during an OS deployment. This setting is required when <b>AppMigration Mode</b> is AppMigration.

## What users experience

- For users requesting a self-service OS migration from the Shopping Web:
  - they cannot choose the applications to reinstall during a self-service OS migration
  - if you previously used the AppMapping feature and have migrated to Application Mapping, users will see a list of their previously shopped for apps in My Software
- For administrators shopping on behalf of others:
  - on the Reinstall tab, the option to choose specific application to be reinstalled on machines is not available
  - on the Select New Apps tab, only applications that come with the new OS are listed and the option to select additional applications as part of this deployment is not available
  - [OSD mapping rules](#) and [OSD machine mapping details](#) are not available