



CA Release Automation
RA Agent Upgrade Application
Release Notes

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Introduction

This release note is for the newly developed Release Automation application, which will allow you to upgrade the Release Automation agents running in Windows systems. This application was developed due to intermittent problems with the “Application Experience” service that is part of Windows 2008 and 2012.

The solution to this intermittent problem is for this service to be turned off prior to the upgrade of the Release Automation agent.

This application includes a series of flows/processes that executes on the affected RA agents, and the agents where the flows/processes are controlled by the associated server-type, for this conversation, we are calling this the “**Windows**” server-type.

This package is composed of the RA application zipfile and this release notes.

What's New

Updates to the processes, and additional sections to this document.

Fixes

V1.0 This is the initial release of the RA Agent Upgrade application being supplied by CA technologies.

V2.0 Added a new flow/process to perform the upgrade and leave the AE service shutdown, if the startup state is “disabled”.

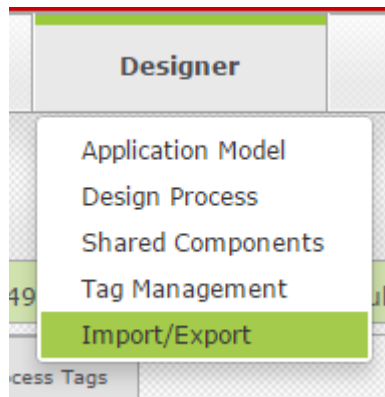
V2.1 Removed the “paused during failure” for the disabled check.

V3.0 Added two more flows and another published process to check the status of the “Application Experience” service, turn it off, then disabled before upgrade. Finally returning the service back to its original state.

V3.1 Added an additional stop “App Exp” windows service to the Adv AE Service is running

Installation

You will install this shared component by the “Import/Export” option from the Designer tab.



Once you are in the Import/Export interface, you will need to click the “Import” button, and enter the information for the RA Upgrade application as shown below.

A screenshot of a dialog box titled "Import File". The dialog box has a close button (X) in the top right corner. It contains the following sections:

- Select a file to import the data from:** A text field showing "export_ra_age..._610_v3.1.zip" with a "Choose File" button to its left and a "Used Actions" button to its right.
- Select the entities in your imported file:** A section with "Select All" and "Clear All" links, a search input field labeled "Enter search criteria" with a magnifying glass icon, and a list of entities. The list includes "RA-Agent-Update" (checked) and "Agent-Upgrades".
- Imported file details:** A table with the following information:

Version	6.1.0.1093
User	superuser
Date	2016-12-6 13:38:31
- Import published processes:** A checkbox that is checked.
- Buttons:** "Import" and "Cancel" buttons at the bottom right.

You are now ready to use this application.

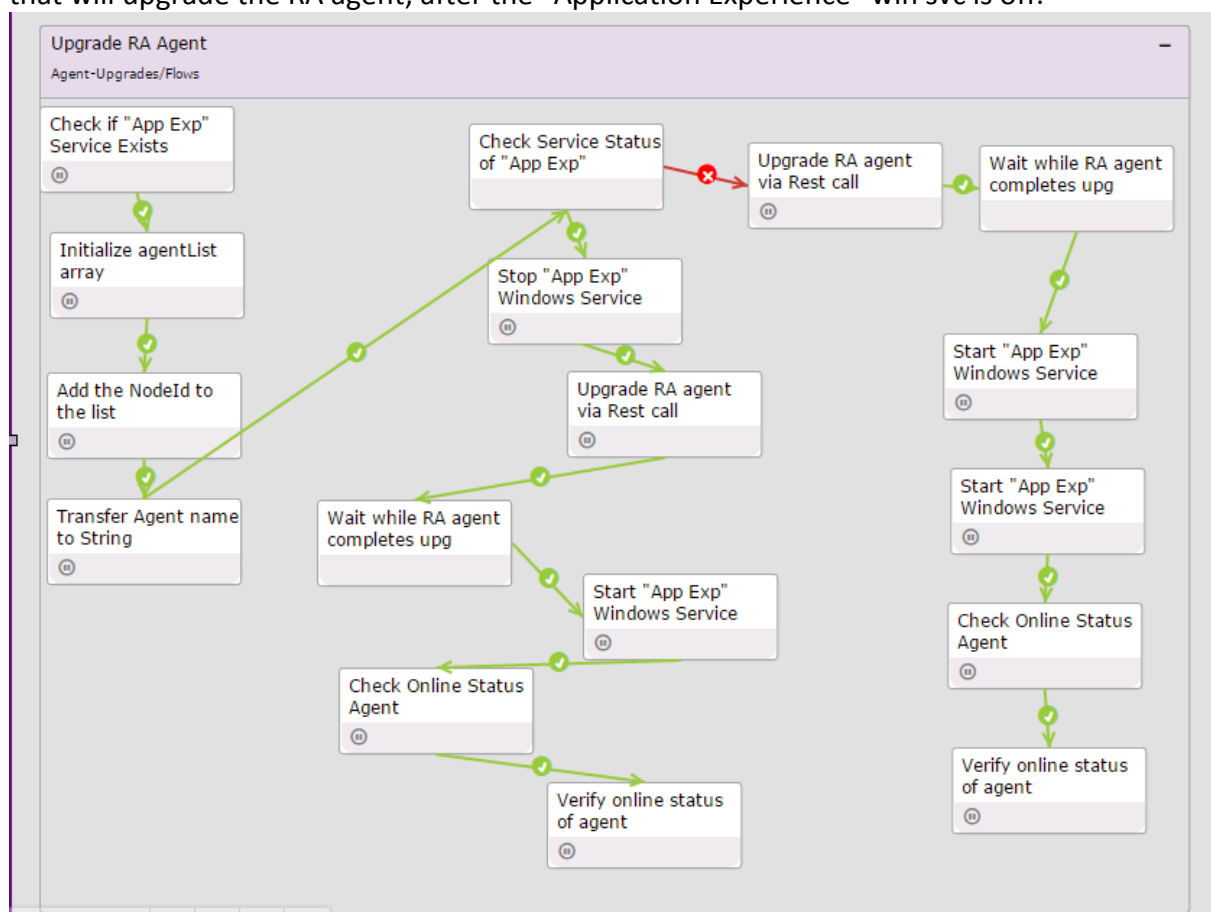
Processes

This document will list the published processes that are part of this Release Automation application:

- Upgrade RA Agent
- Upgrade RA Agent – AE Disabled
- Adv RA Agent – AE Disabled → *This is the recommended process to utilize.*

Upgrade RA Agent

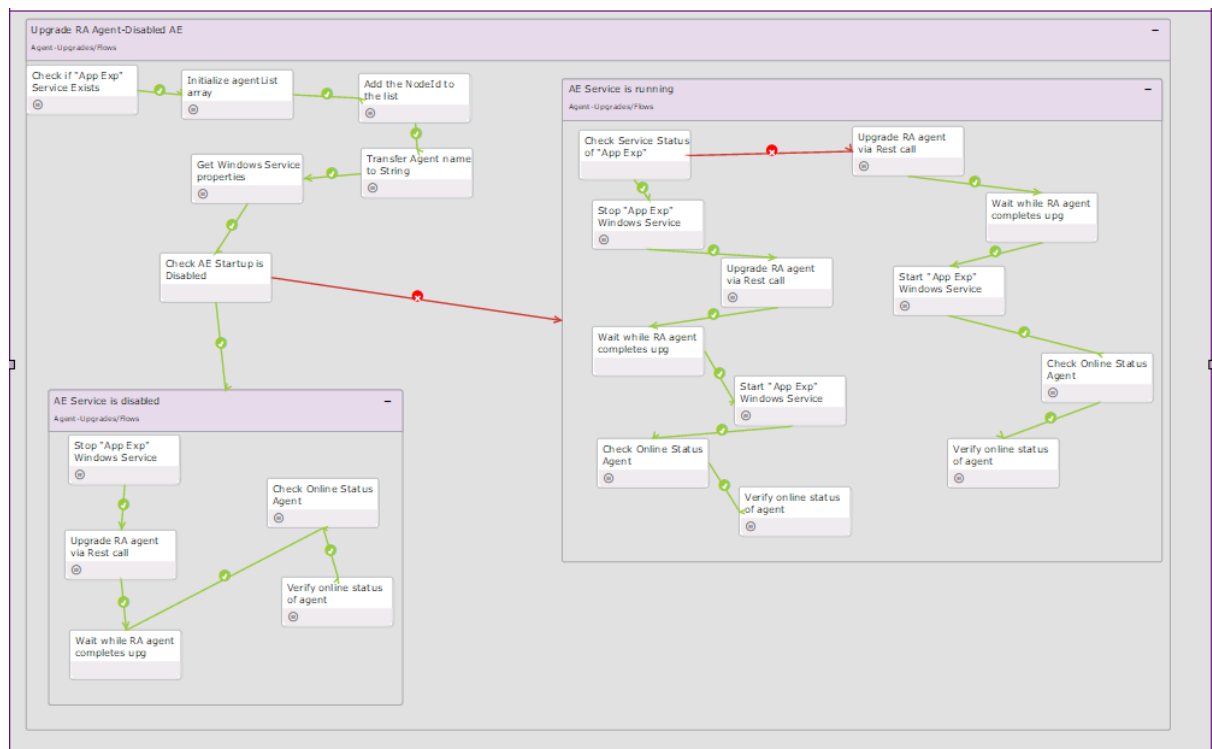
Description: This flow will upgrade each RA agent as defined in the server type group. What this flow does is finds the local NodeID and uses that value to run the restful call that will upgrade the RA agent, after the "Application Experience" win svc is off.



Upgrade RA Agent-Disabled AE

Description: This flow will upgrade each RA agent as defined in the server type group. What this flow does is finds the local NodeID and uses that value to run the restful call that will upgrade the RA agent.

This flow will also determine the startup state of the AE service, and based on this startup state, the RA agent will be upgraded and the AE service maybe started backup as needed.

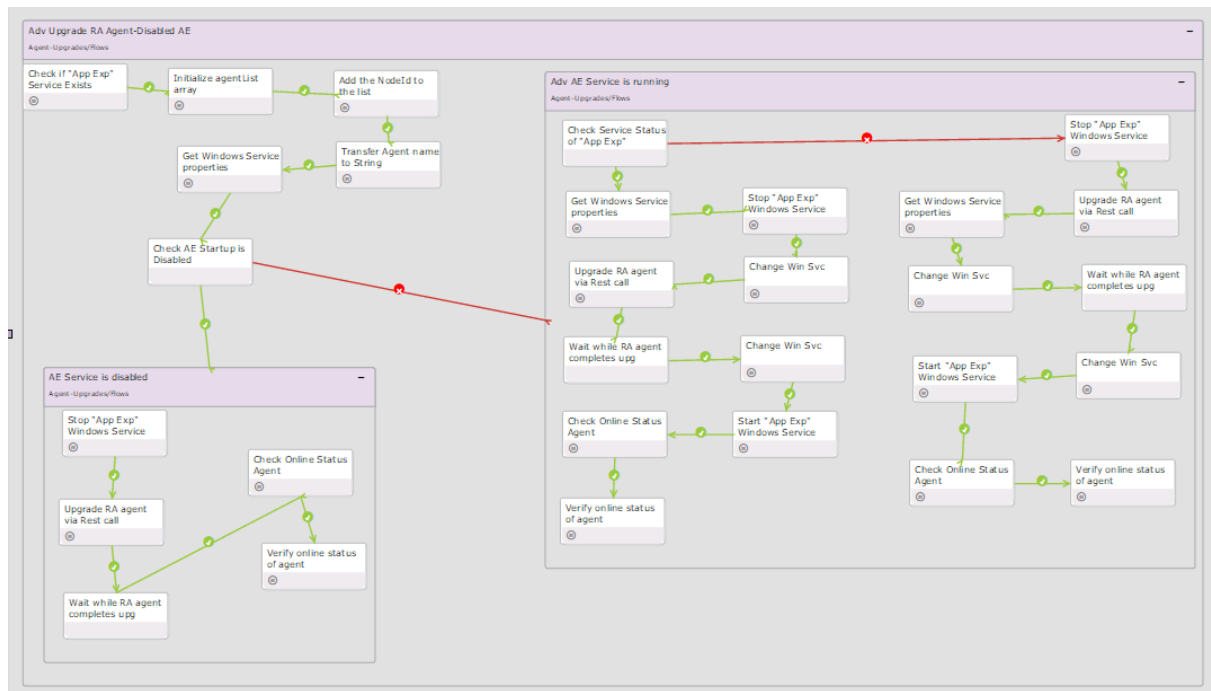


Adv Upgrade RA Agent-Disabled AE

Description: This flow will upgrade each RA agent as defined in the server type group. What this flow does is finds the local NodeID and uses that value to run the restful call that will upgrade the RA agent.

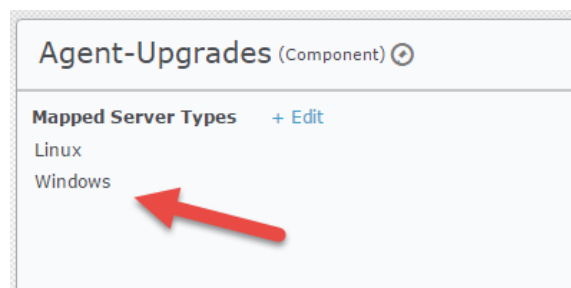
This flow will also determine the startup state of the AE service, and based on this startup state, the RA agent will be upgraded and the AE service will be turned off and disabled prior to the upgrade and return to its original state after the upgrade.

----- This is the recommended process to utilize for your RA agent upgrade ----



You will need create a process, if a process is not created for you and include this flow in the process.

Keep in mind that they RA agent being upgraded are based off the agents that have been added to the mapped server type for this application.



In this scenario that will be the Windows server-type as shown above.

Environment Variables

These are the parameters that are always going to be utilized in this application. All these parameters are internal in nature, since you are only going to run this flow/process once just to complete the upgrade of the RA agents.

The following variables will need to be updated as needed prior to the first execution of the published processes:

- `_CA_RA_hostname` → This is the hostname for the RA data management server, it is assumed that the port will be 8080, if your RA DM is using a different port, please update the `_CA_RA_uri` to include this new port value.
- `_CA_RA_username` → The RA username that is a super user (recommended).
- `_CA_RA_password` → The password for the RA user.
- `_CA_RA_uri` → This parameter might need to be updated based on the port number being used for Release Automation, since it defaults to 8080.

The following parameters should not be changed at all. These are internal parameters used by the application.

- `_CA_agentList`
- `_CA_agentOnline`
- `_CA_rest_response`
- `_CA_Updated_agent`
- `_CA_win_svc_orig_state`
- `_CA_delay_value` → This value has been set to 120 seconds to wait for the upgrade process to complete, you can change this value to either shorten or lengthen this wait.

As shown in the RA flow/process.

