

Workflow Manager 5.0

Release Notes

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Introduction

Acesso's Workflow Manager is a Web-based data and workflow management system that lets you monitor and control every aspect of your enterprise's software packaging, deployment, and management process. Workflow Manager standardizes the way your software is deployed and managed, ensuring reliable, repeatable results that translate into significantly lower IT costs and TCO.

From employees submitting Application Requests to IT, to IT's preparing and deploying reliable applications, to post-deployment application updating and repair, Workflow Manager facilitates the process while letting you manage it in real time. Workflow Manager also permanently stores all your application-related data, giving IT the information they need to more effectively manage your enterprise's software.

New Features

Workflow Manager 5.0 includes the following new features:

- [Enhanced Email Notification](#)
- [Improved User Interface for Workflow Template Design](#)
- [Enhanced User/Group Search](#)
- [Creation of Automated Import, Validation, or Conflict Analysis Workflow Step Using APIs](#)
- [Enhanced Security Model](#)
- [Merge Replication Support](#)
- [Microsoft Cluster Services Support](#)

Enhanced Email Notification

To address the varied needs of our customers, Workflow Manager 5.0 includes the following enhancements to the email notification feature:

Ability to Assign Email Notifications to Users, Groups, and External Email Addresses

In Workflow Manager 5.0, you now have the ability to not only assign email notifications to Roles, but also to Workflow Manager users, imported Directory Services users and groups, and to external email addresses.

Ability to Manage “My Notifications”

In Workflow Manager 5.0, there is a new link on the Workflow Manager Home page entitled My Notifications. On the My Notifications page, you can view a list of all of your assigned email notifications, and, if you have the proper permissions, you can subscribe to or unsubscribe from selected notification events. The My Notifications page lists both explicitly assigned and inherited (via Role) email notification events.

Ability to Override Email Notification Defaults for an Application Request



When a new Application Request is created, it inherits the email notification settings defined on the Project Permissions and Notification Settings page for its associated Project. In Workflow Manager 5.0, you can now modify these notification settings on each Application Request's Application Request Notifications Override page.

Email Notification Upon Workflow Step Completion

In addition to the Initiated, Rolled Back, and Edited email notification events, in Workflow Manager 5.0 you can now also send out email notifications when a Workflow Step is Completed.

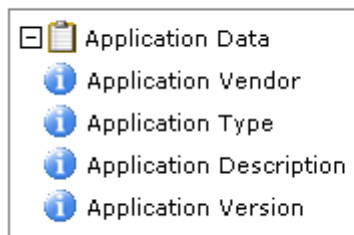
Improved User Interface for Workflow Template Design

The user interface used to create Workflow Templates has been completely redesigned. Data Groups/Elements and Workflow Phases/Steps are now displayed in an expandable tree. Data Group and Workflow Phase names are preceded by an identifying icon:

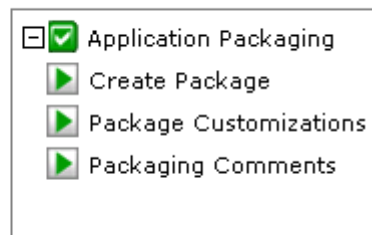
Data Group —  Application Data
 Workflow Phase —  Application Packaging

When you expand a Data Group or Workflow Phase, its child elements are listed:

Data Group and its Data Elements



Workflow Phase and its Workflow Steps



To edit one of the listed items, select it in the tree to open its corresponding view.

Enhanced User/Group Search

When performing some Workflow Manager tasks, you need to identify a user to either send notification emails, assign an issue to, assign work to, designate as a company contact, etc. Often this means that you need to search a large list of users to select the one you are looking for. To assist you in performing these tasks, Workflow Manager 5.0 provides enhanced user search capability, allowing you to search a comprehensive list that contains all AdminStudio Enterprise Server users as well as all of the Directory Services users and groups (and subgroups) in all of the domains that have been registered with Workflow Manager. You can search by an exact user/group name or the first few characters of a user/group name, or you can view a list of all user/group names. When multiple results are found, a Search Results list is displayed, from which you can make a selection or use to further refine your search.

Creation of Automated Import, Validation, or Conflict Analysis Workflow Step Using APIs

In Workflow Manager 5.0, you can use Workflow Manager's interface to import packages into the Application Catalog and perform validation and conflict analysis as part of a Workflow Manager Workflow Step using AdminStudio ConflictSolver. This feature enables Workflow Manager to provide a programmatic way to automate the performance of conflict detection and resolution on a Windows Installer package in a specific Application Catalog database.

Enhanced Security Model

The AdminStudio Enterprise Server 9.0 and Workflow Manager 5.0 Security Model includes the following enhancements:

Can Secure Web Site Directly

You now have the ability to secure the Web site with a certificate and use NT Authentication on the Web site. Prior to this release, you were required to use the Portal.

Can Use State Server to Store Session Information

You now have the ability to use a state server for storing session information. Prior to this release, only InProc sessions were supported.

Merge Replication Support

You now have the ability to use multiple databases in a merge replication architecture. Geographically dispersed locations can have a local database and a local Web site and all of the databases will stay in sync on the back end.

Microsoft Cluster Services Support

The combination of the state server and merge replication enables customers to use Microsoft Cluster Services in order to set up failover and load balancing.

System Requirements

This section lists the requirements for AdminStudio Workflow Manager 5.0 machines.

Workflow Manager End User Computers

This section lists the requirements for AdminStudio Workflow Manager 5.0 machines:

Item	Description
Processor	400 MHz or higher Pentium-compatible CPU (Recommended)
Browser	Microsoft Internet Explorer 5.5 or later
RAM	256 MB or more RAM (Recommended)

Application Catalog Database Server

The recommended system configuration for a database server to store AdminStudio application catalog databases is:

Item	Description
Processor	1 GHz 32-bit (x86) or greater
RAM	512 MB or greater (1 GB preferred)
Hard Disk Space	80 GB or greater
Operating System	Windows 2003 Server or Windows 2000 Server or Advanced Server (with the latest Service Pack)
Database Software	<p>AdminStudio supports SQL Server and Oracle databases:</p> <ul style="list-style-type: none"> • SQL Server 2000 (with the latest Service Pack) is the minimum requirement, but SQL Server 2005 or later is highly recommended. SQL Server must be installed with case-insensitive dictionary sort order and ISO-8859-1 character set (use <code>sp_helpsort</code> T-SQL command for more information). • Oracle 9i or later

AdminStudio Web Server

This Web server hosts the Workflow Manager Data Web service and the actual Workflow Manager Web site.

Item	Description
Processor	1 GHz 32-bit (x86) or greater
RAM	512 MB or greater (1 GB preferred)
Hard Disk Space	30 GB or greater
Operating System	Windows 2003 Server or Windows 2000 Server or Advanced Server (with the latest Service Pack)
IIS	IIS 5.0 or IIS 6.0
.NET	.NET Framework 2.0 (including ASP.NET 2.0 registered with IIS)
MSXML	MSXML 4.0
Oracle Client	If you are connecting to an Oracle database, the Web Server needs to have the Oracle client installed. The Oracle Client version can be either 9i or 10g, depending upon the database server that is going to be used.
Running on a Domain Controller	If running on a domain controller, you will have to implement one of the procedures described in the Microsoft Developer Network topic Running ASP.NET on a Domain Controller , available at: http://msdn2.microsoft.com/en-us/library/aa579070.aspx

File Share Server

This machine stores the uploaded source files and the repackaged output files:

Item	Description
Processor	512 MHz or greater
RAM	512 MB or greater
Hard Disk Space	60 GB or greater
Operating System	Windows 2003 Server or Windows 2000 Server or Advanced Server (with the latest Service Pack)

Portal Web Server for Internet Clients

If Workflow Manager needs to be accessed over the Internet, it is recommended to set up another Web server, residing in a demilitarized zone (DMZ). This Web server:

- accepts the requests from the Internet clients,
- forwards them to the AdminStudio Web Server,
- gets responses from the AdminStudio Web Server, and
- forwards them to the clients

You can configure the AdminStudio Web Server to entertain the request only if it is coming from the Portal Web server, and otherwise reject the request. The Portal Web server manages access to the AdminStudio Web Server and ensures that clients are not able to access any data or documents without logging in.

The system requirements for this machine are the same as for the AdminStudio Web Server.

Portal Web Server for Intranet Clients

For better security, and to manage access to the AdminStudio Web Server, it is recommended to also set up a portal Web server for Intranet clients. If you would like to make use of the Single Sign On feature, you are required to install the Intranet Portal with NT Authentication mode of IIS directory security (by unselecting **Anonymous Authentication** and selecting **Integrated Windows Authentication**).

Single Sign On is only supported when the user that logs into IIS has been imported into the AdminStudio Enterprise Server database using Active Directory. The administrator can either import the complete group or only one user. If a complete group is imported, then all the members of the group can be logged into AdminStudio Enterprise Server using Single Sign On.

The system requirements for this machine are the same as for the [AdminStudio Web Server](#).

Known Issues

For a complete list of known issues that pertain to the Workflow Manager 5.0 release, see the [Acesso Support Knowledge Base](#).