FORMTEK | ORION 5 ADMINISTRATION

Formtek's Content Repository Services software technology includes easy-to-use system administration tools for managing users, data types, security, revisions, privileges, and distributed storage. Formtek | Orion 5 Administration is a platform-independent, thin client application that provides Orion system administration capabilities via a JavaServer Faces (JSF) web interface.

Formtek | Orion 5 Administration is composed of several components, each of which is described in more detail in the following sections:
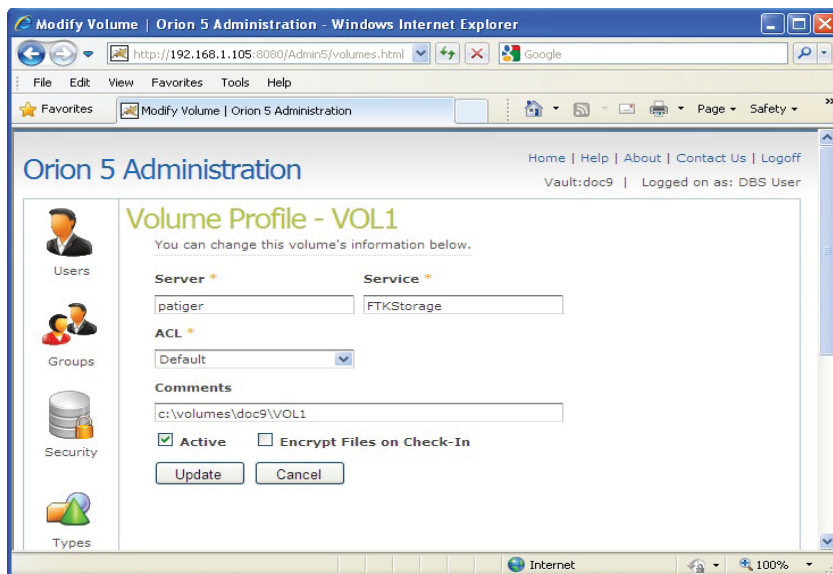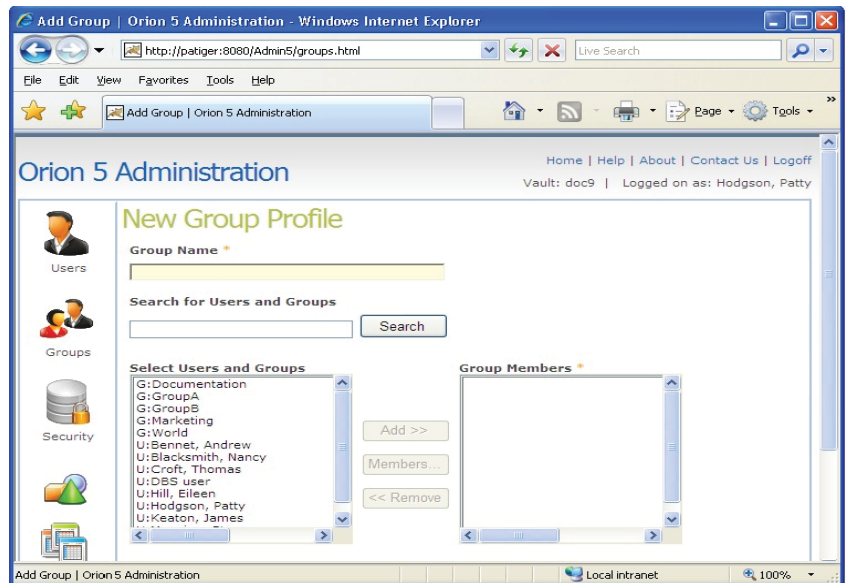
Managing Users - The Users module allows system administrators to create and maintain Orion user accounts, grant access to the repository, change the privileges associated with each Orion role, enable or disable privileges assigned to a user via their role, define command availability, assign forms access, and set user preferences. If licensed for named users, this module also displays the number of licensed users and the number of available licenses. If licensed for concurrent users, the number of connected users and the number of available connections are displayed instead. Additionally, the license expiration date is also displayed.


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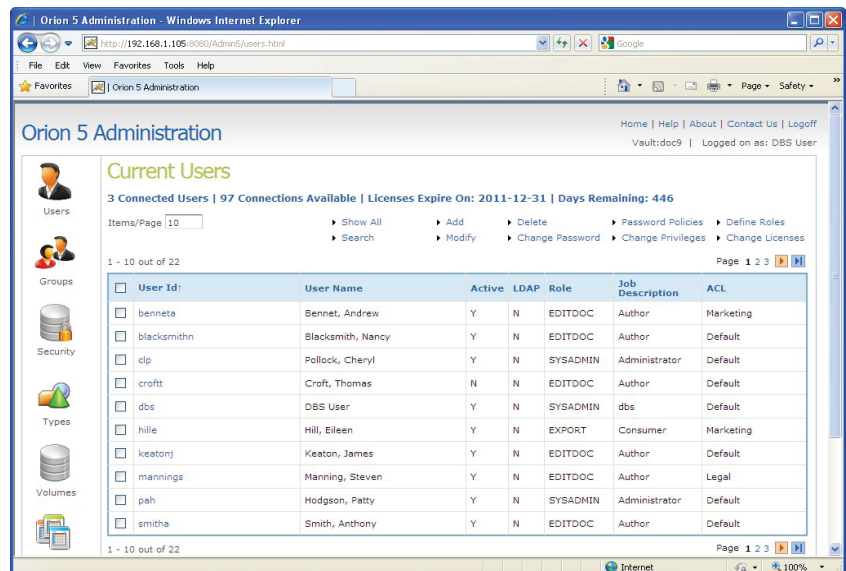
Managing Groups - The Groups module is used to create and maintain Orion groups. You can create groups to organize Orion users. These groups are then used to define the members of an Access Control List (ACL) in the Security module. A group can also specify the users when configuring a default volume in the Volumes module. By default, new users are automatically added to the World Group when the user is added. Any user can be a member of more than one group.

Managing Volumes - The Volumes module allows system administrators to logically divide your organization's content into different storage locations, which can be local or distributed throughout the enterprise. Volumes work in conjunction with the Orion Storage Server, which is used to transport data to and from volumes. The Volumes module defines the name of each storage volume, identifies the associated Storage Server, and optionally encrypts the volume.


Managing Types - The Types module provides the ability to manage representation content data types, and associate them with host applications. Each content object can be registered and stored in an unlimited number of representations, and linked to any number of applications. This allows an administrator to hide the complexity of content data types from the average user by mapping data types, actions, and applications according to the organization's unique business rules.

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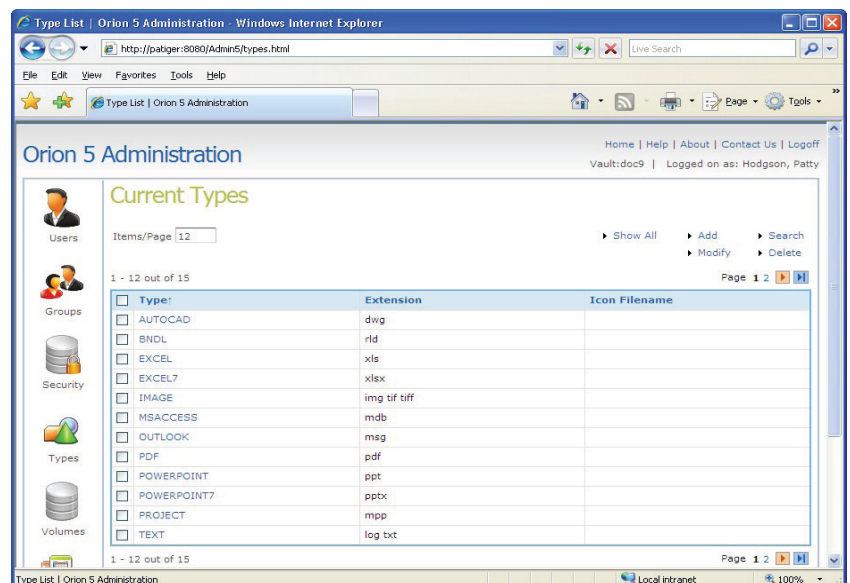
Managing Security - When an organization uses a single system to manage information throughout the enterprise, the ability to effectively administer the access privileges of a large number of users in different departments is critical. Design engineers should not have access to human resource information, such as salary data. However, it might be useful for engineering managers to have access to the salary information of the people who report to them.

Formtek's CRS software technology offers an extremely robust and flexible security model that allows control profiles to vary content presentation by per-object, per-user, per-workgroup, and per-release state. The Formtek | Orion 5 Security module provides these advanced security features via many separately configurable security parameters.
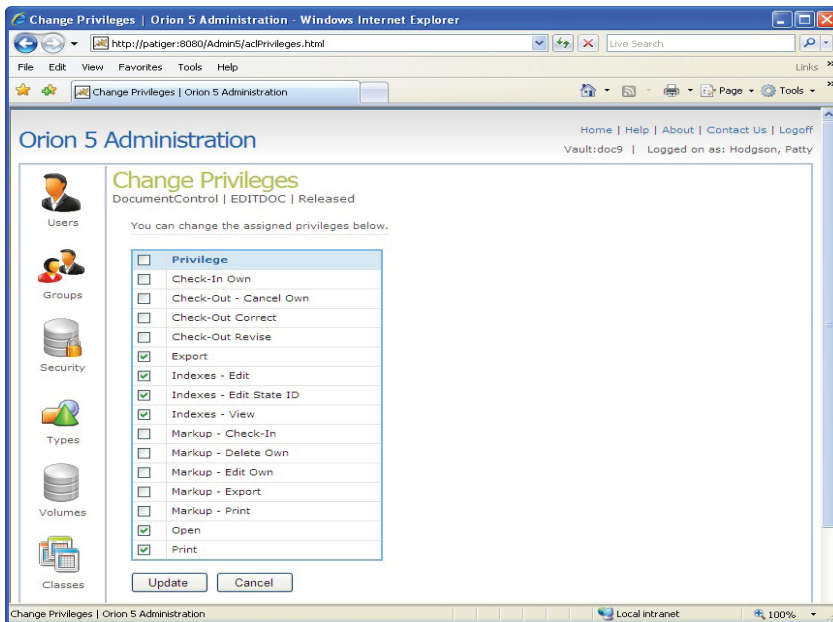

The Security module helps simplify security administration by providing user-based, group-based, and object-based access controls. Privileges depend on the general privileges of the user (role-based security) and the state of the content (object-based security). Groups of users can be created and the access privileges applied to each member of that group.

To simplify privilege assignment, content classes can be created, and each content object or content class can be assigned specific access restrictions via Access Control Lists (ACLs). Access restrictions placed on a class apply automatically to each content object in that content class.

Access to a content object may be restricted by state. For example, if a document is in review or is checked-out for revision, users who normally have full access may be temporarily unable to read or edit the document. Security can also be set up to alter the access privilege of objects automatically when their state changes. For example, designated users may not have access to a document until it has reached the released state.

The combination allows system administrators to protect valuable content while providing for diverse enterprise needs. In addition, SQL-level constraints prevent applications from bypassing the Security module and making direct SQL calls.
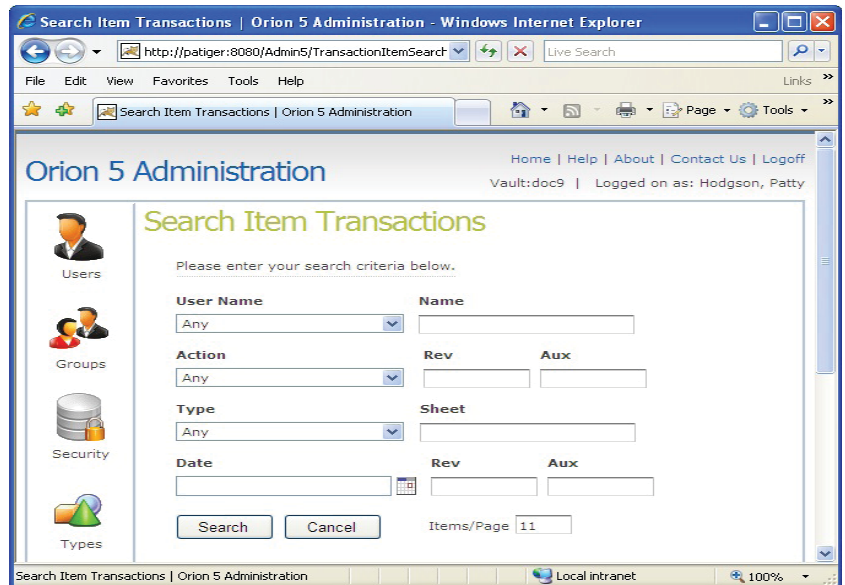

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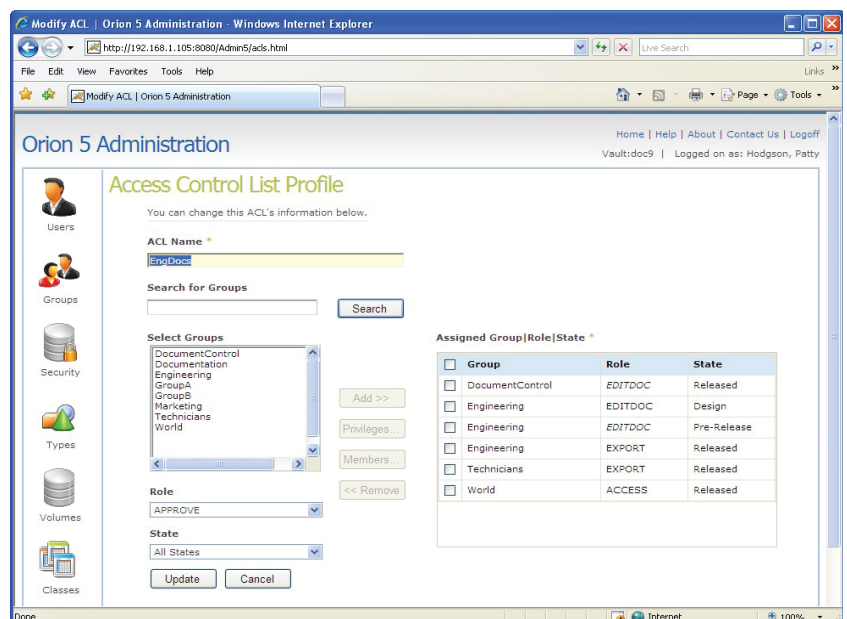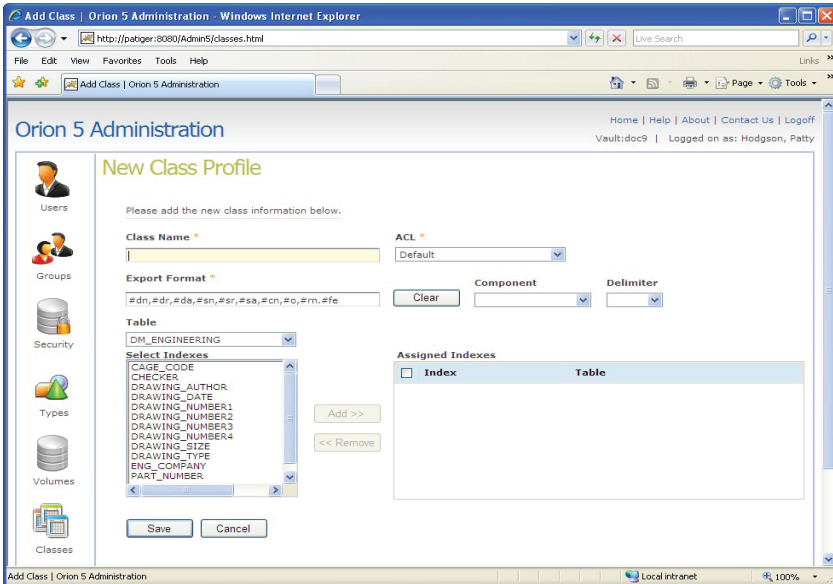
Defining Classes - The Orion Vault installs the Default, Engineering, and Office classes. The Classes module allows custom classes to also be defined. A class is used to group similar types of items with a common set of attributes. A class is assigned to a document, sheet, markup, or folder when it is checked-in or created, and determines the item's identifiers, which indexes are associated with the item, and the format of the filename when a document, sheet, or markup is exported or checked-out.

Transactions - The Transactions module is used to view and maintain the System Transaction Log and Item Transaction Log. The System Transaction Log records actions performed on users, groups, Access Control Lists, types, volumes, classes, and transaction logs. The Item Transaction Log records actions performed on items—documents, sheets, markups, and folders. The Search command allows you to search for either system transactions or item transactions using user-defined search criteria.

ABOUT FORMTEK

For over two decades, Formtek has been providing mission-critical IT software and services to some of the most demanding engineering, manufacturing, aerospace, industrial, and technical organizations in the world. We build products and solutions for content management platforms that are open and adaptable to complex IT environments, including Formtek | Orion Content Repository Services and the Alfresco Digital Business Platform. Our software application solutions also include the Formtek Engineering Data Management (EDM) Solution for Alfresco.

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