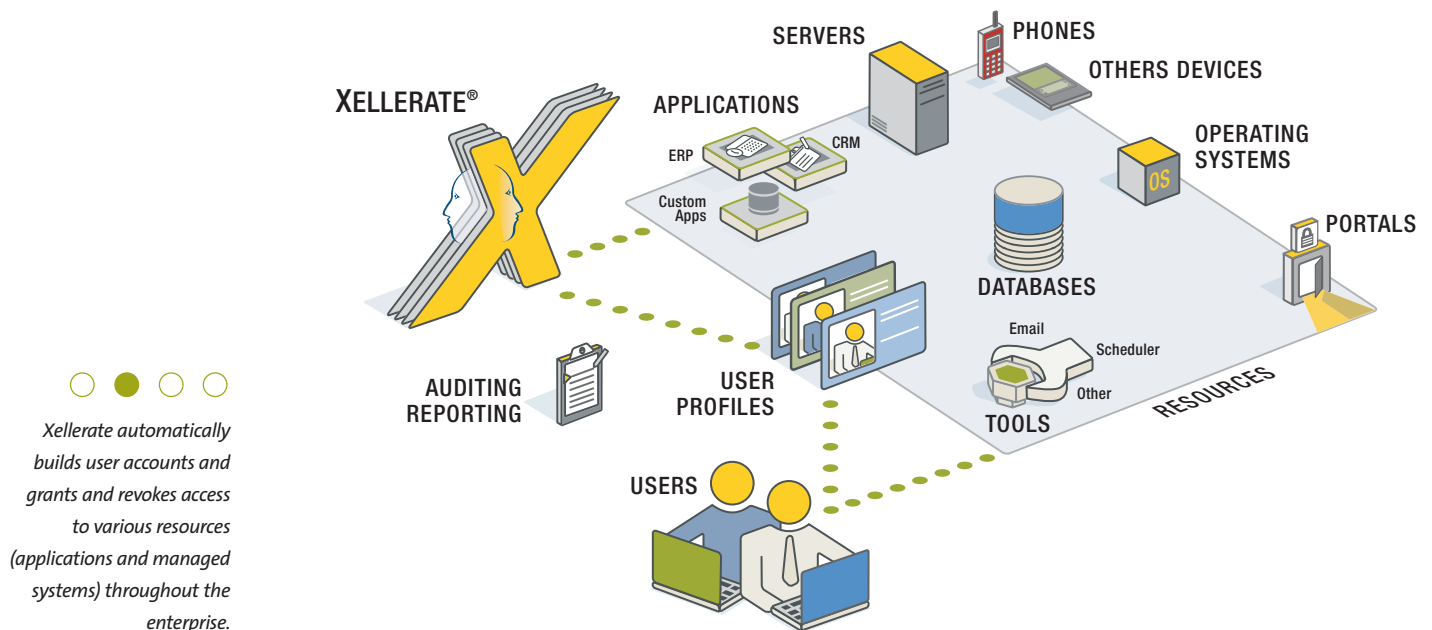


XELLERATE® BY THOR TECHNOLOGIES is an advanced, yet flexible, provisioning system for automatically granting and revoking access to enterprise applications and managed systems. Xellerate's modular architecture easily handles the most uncompromising and rigorous IT requirements—without requiring changes to existing infrastructure, policies or procedures.

Xellerate is designed from the ground up to handle the entire provisioning lifecycle—from initially automating application access rights and permissions to dynamically adapting to longer term changes in user and business requirements. Because of Xellerate's innovative internal design, necessary business changes never force a massive system redesign or re-engineering project.



KEY BENEFITS OF XELLERATE'S MODULAR ARCHITECTURE:

Ease of Use and Automation provides the lowest overall cost—for both initial implementation and ongoing system operation.

Enterprise-Class Design seamlessly supports provisioning environments of varying size and scope—from initial implementations to worldwide deployments.

Adaptable Architecture easily handles all changes within the enterprise—whether they are driven by changes in user requirements or business needs.

A Highly Secure User Access Environment provides rogue account (unauthorized account creation) prevention and detection, guaranteed de-provisioning and full lifecycle reporting.

Dynamic Transaction Integrity guarantees provision transaction recoverability and provides transaction status in real-time for maximum control over the provisioning process.



FASTEST TIME-TO-PROVISIONING

Xellerate is engineered for quick installation and configuration. Xellerate's auto-installer senses the existing system environment and automatically performs as much of the configuration process as possible. A dialogue with the System Administrator finalizes the install and set-up procedure.

Web Delegated Administration

Xellerate provides two browser-based user interfaces that support delegated administration functions. Both allow delegation of selected administration functions to groups and users within the enterprise in order to provide tighter control, better security and increased productivity.

One UI enables the transfer of administrative functions for selected resources to individuals or groups directly responsible for them. Another provides individual users with the ability to perform self-service administrative functions such as changing their own passwords and requesting access to new applications or other managed sources.

System Design and Administration

A Java-based administration UI provides an intuitive interface, enabling systems administrators to quickly define and manage the enterprise's provisioning environment. Through this interface, administrators define rules and policies, user profiles and integrations to target sources. In addition to the traditional approach of role-based profile definitions, Xellerate supports the notion of rule definitions for further refinement and added flexibility.

The administration UI also provides an easy way to build workflow and business processes. If necessary business processes exist elsewhere in the enterprise, Xellerate is able to utilize them, which saves time and reduces IT development and maintenance costs.

Even the most complex provisioning implementations can be designed using Xellerate's System Administration UI.

Intelligent, Efficient and Fast Integration

Integrating most provisioning systems with managed systems and applications can be a daunting task. Xellerate is specifically designed to make integrations easy. A breakthrough technology called the Adapter Factory® eases the complexity associated with creating and maintaining these integrations. Once integrations have been created, their definitions are maintained within the Xellerate repository, creating self-documenting views. These views make extending, maintaining and upgrading integrations a manageable and straightforward process.

INTEGRATING INTO ANY IT STRUCTURE

Phased Rollout

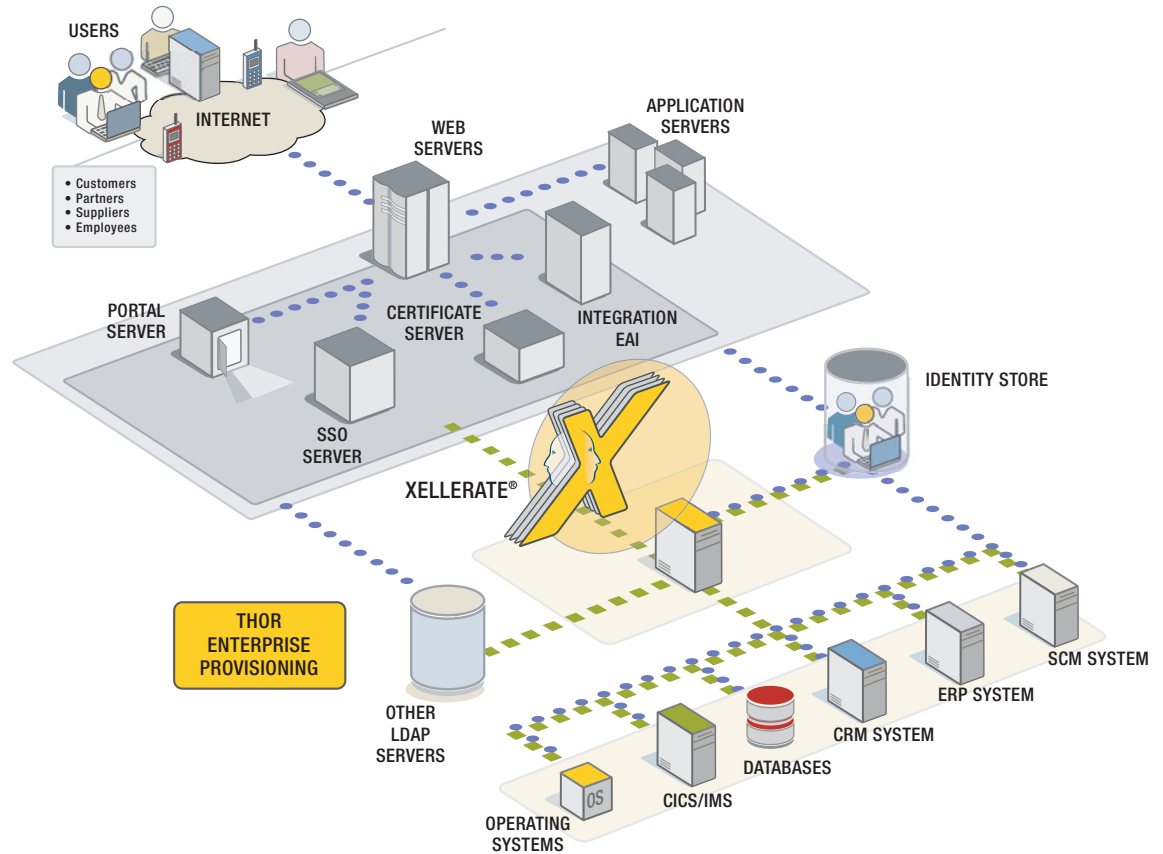
Xellerate will support any size implementation—from medium-sized to large-scale. An initial pilot implementation of the provisioning system may not require the same support as a worldwide deployment. Xellerate's flexibility supports the movement from one stage of deployment to the next without affecting the original implementation.


Flexible Server-Based Architecture

Xellerate also supports the execution of single and multiple server instances. Multiple server instances provide the capability of placing provisioning processes close to geographically dispersed users for increased performance and control. Xellerate multi-server system implementations also provide fault tolerance, redundancy, fail-over and system load balancing. And moving from a single server to a multi-server implementation is a seamless, no changes required, operation.

Seamless Enterprise Integration

To lower cost, minimize complexity and leverage existing investments, Xellerate is built on an open architecture and utilizes industry standards throughout. This allows Xellerate to integrate with and leverage existing software and middleware already implemented within the IT infrastructure. If an implementation requires integrating with an existing customer portal, Xellerate's advanced API offers access to any and all components of its system. This allows the IT staff to customize any part of their Xellerate provisioning implementation to meet their enterprise's specific needs.





 Xellerate fits seamlessly into existing IT environments and utilizes user information managed by pre-existing Identity Management Systems.

ADAPTING TO AN EVOLVING ORGANIZATION

Changing existing user access requirements; adding new users, customers and suppliers; and rolling out new enterprise applications can cause a provisioning system to break. Xellerate is engineered specifically to keep up with these demands. As user needs change or process definitions and business policies evolve, the outdated execution logic is “unplugged” from the provisioning instance and the new execution is “plugged” in. The results are a new provisioning instance that is closely aligned with the enterprise’s current needs.

Evolution, Not Revolution

Xellerate is engineered to make it easy to keep up with the changing needs of a dynamic enterprise. Xellerate’s breakthrough technology separates what needs to be done from how it is actually done (called “abstraction”). These abstraction capabilities allow the execution logic to be changed and refined without disturbing logic or definitions that still apply. This also provides an iterative provisioning “evolution without revolution” approach. The IT department can implement their provisioning system to fit today’s requirements without worrying about possible future business needs.

When modifications are made, Xellerate’s deployment utility guarantees the entire provisioning process is placed into production.

In the real world of target system upgrades, self-service demands and environment changes, a system that does not support abstraction requires continuous re-architecting. This results in high development and skyrocketing maintenance costs that will increase over time.

Management by Exception

Xellerate’s manage by exception capabilities give the IT staff a way to handle problems that may occur during the provisioning process. Everyday problems such as unavailable or offline application resources no longer stop the provisioning transaction or cause it to fail. Business logic placed into provisioning transactions offers customized failsafe capabilities within an Xellerate implementation.



Enhanced Enterprise Security

Proper security goes beyond user authentication and authorization. IT personnel need the ability to prevent, detect, audit and report on events and system problems that threaten to compromise security. Xellerate goes beyond the current provisioning systems on the market by providing enhanced security, auditing and reporting capabilities.

Protection Against Rogue Accounts

Not to be confused with “intrusion detection,” rogue accounts—those accounts created outside of the provisioning system’s control—represent a very serious security risk. Once a managed system or application has been provisioned by Xellerate, rogue accounts are immediately detected. Xellerate recognizes rogue accounts and executes the requisite business process as defined by IT. The action taken could be to send an email alert to an administrator, to leave the account alone, or to delete it altogether—depending on the defined business process.

Comprehensive Reporting and Auditing

Xellerate provides reporting on both the history and the current state of the provisioning environment. No other provisioning system provides the level of reporting and auditing capabilities that come with Xellerate. Comprehensive information can be quickly gathered about users (including their access rights and history) and applications (such as who has access to them now or in the past). In addition, details about any Xellerate provisioning transaction can be reported. The IT department can now obtain information on all user and application access activity at any time, allowing them to quickly assess the security and utilization of their information assets.

Regulatory Compliance

Xellerate’s reporting and auditing capabilities more than satisfy compliance with government regulations such as HIPAA and Gramm-Leach-Bliley. And in case custom reports are needed, Xellerate supports any standard SQL-based reporting tool.

De-provisioning Guaranteed

When users leave the organization or their access is no longer required or valid, Xellerate revokes access through its one button manual or automatic de-provisioning process. This ensures that a particular user’s access is terminated across all enterprise systems—thus eliminating a major security risk.

DYNAMIC TRANSACTION INTEGRITY

Provisioning automates a very important part of an enterprise’s daily business. As such, Xellerate provides the same level of transaction integrity that mission-critical systems have always provided.

Guaranteed Recoverability

Xellerate’s architecture includes a state engine, which allows the system to support full rollback and recovery. If a failure occurs during a provisioning transaction, the system is able to recover entirely from its last known consistent state. If it becomes necessary to stop a provisioning transaction, Xellerate will rollback from that point, or take a different path—in accordance with pre-defined rules.

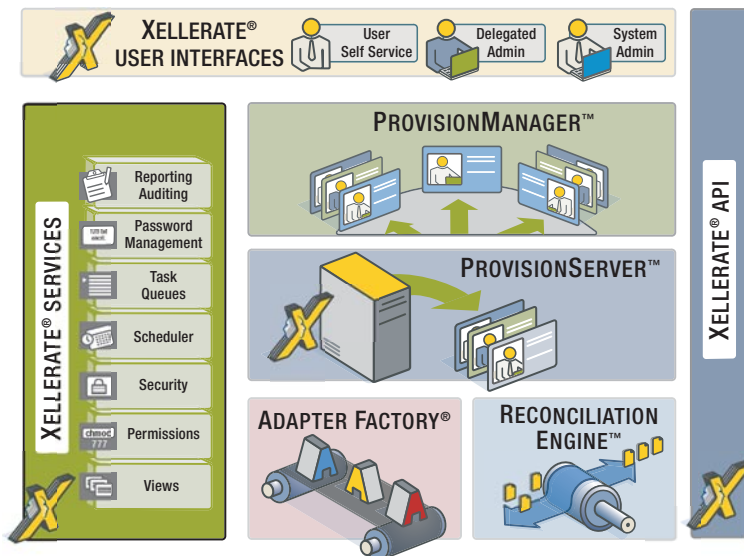
Furthermore, Xellerate provides the ability to halt the execution of a provisioning transaction at anytime and roll it back to the beginning. This avoids the problem of unwanted actions accidentally taken by other related applications or systems due to unintended provisioning commitments

Real Time Provision Transaction Status

In order to maintain better control over the provisioning process, administrators can track status in real time—and at any point during a provisioning transaction. Having the ability to track the progress of a transaction provides administrators with maximum control. It also better equips them to quickly troubleshoot a problem should a transaction fail.

XELLERATE SYSTEM COMPONENTS

Xellerate is built on an enterprise-class, modular architecture that is both open and scalable. Each module plays a critical role in the overall functionality of the system.



Xellerate User Interfaces defines and administers the provisioning environment. Xellerate offers three feature-rich user interfaces to satisfy both administrator and user requirements:

- € Powerful Java-based administration
- € Web-based delegated administration
- € Web-based user self-service

ProvisionManager is where provision transactions are assembled and modified. The ProvisionManager maintains the who and what of provisioning. User profiles, access policies and resources are defined through the ProvisionManager, as are business process workflow and business rules.

ProvisionServer is Xellerate's run-time engine, which executes the provision process transactions as defined through the System Administration tool and maintained within the ProvisionManager.

Adapter Factory builds and maintains the integrations between Xellerate and managed systems and applications. The Adapter Factory is designed to eliminate the need for hard coding integrations with these systems. The Adapter Factory allows administrators and subject matter experts to work at a higher level of abstraction by mapping the Xellerate provisioning process directly to the target applications configuration requirements. Once mapped, the Adapter Factory will generate the necessary integration code. Modifications and extensions to adapters are accomplished by working with the integration map, not with the code.

Reconciliation Engine guarantees consistency between Xellerate's provisioning environment and Xellerate managed resources within the Enterprise. The Reconciliation Engine discovers illegal accounts created outside of Xellerate. Reconciliation Engine will also synchronize business rules located inside and outside the provisioning system to guarantee consistency.

Xellerate API enables application and managed systems to communicate with Xellerate. Xellerate components can be utilized in custom applications, for example, Xellerate UI components placed into a customer portal. In addition, Xellerate screens and forms can be modified to include customer-specific information requirements.

Xellerate Services provide important functionality that enable Xellerate users to perform certain tasks.

- € **Reporting/Auditing** allows real-time and historical information to be collected and presented to IT administrators.
- € **Password Management** supports the definition of password formation and validation rules, and can also synchronize passwords across all applications a user accesses.
- € **Task Queues** provide a personal list of all outstanding provisioning requests for each IT administrator.
- € **Scheduler** allows IT administrators to queue provisioning tasks (such as grant or revoke access) for execution at specified dates and times.
- € **Security** services place encryption on any part of the provisioning implementation that has been defined through ProvisionManager.
- € **Permissions** services grant functional capabilities such as create user, define rules and create adapter to specific individuals within the provisioning environment.
- € **Views** provide specific users with relevant information about the provisioning environment. Individuals such as user, approver or delegated administrator require specific information that is relevant only to them.

PLATFORM SUPPORT

Client:	Microsoft Windows NT® 4.0 SP6 Microsoft Windows® 2000 SP2 Microsoft Windows 98/ME Internet Explorer 5.x
Server:	Sun Microsystems Solaris 8 Microsoft Windows® 2000 SP2
Databases:	SQL 92 Compatible Databases

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