

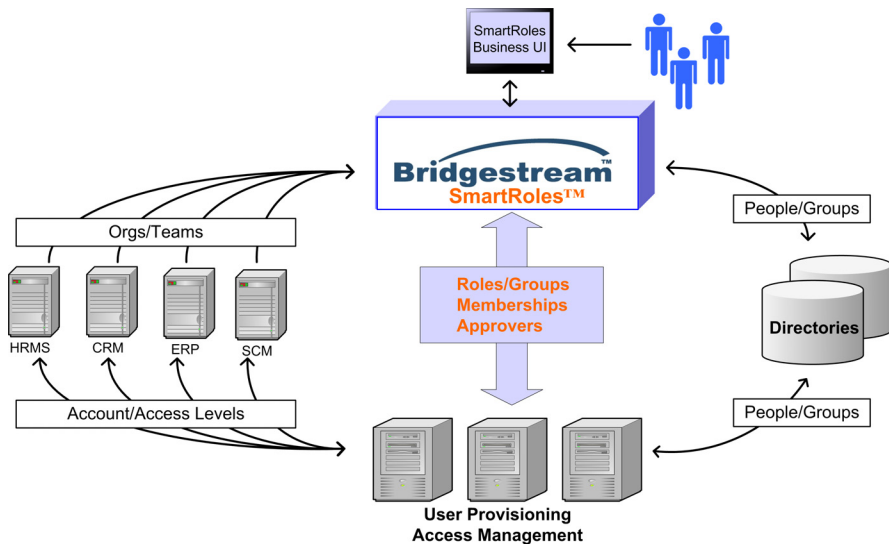
Benefits

- Enhance security**
 Dramatically improve the timeliness and accuracy of provisioning, re-provisioning and de-provisioning of resources as users' roles change within the organization.
- Improve IT productivity**
 Significantly reduce IT administration by consolidating roles and role membership data.
- Streamline processes**
 Improve routing of approvals for granting and revoking access privileges.
- Reduce IdM project costs**
 Remove implementation barriers and reduce time to deployment of your identity management projects.
- Strengthen regulatory compliance**
 Maintain detailed temporal audits on *who* has access to *what*, *when* and *why* with complete logs, reports and notifications.

Companies face increasing public scrutiny for security breaches. Despite heavy investments in identity and access management (IAM) systems, infrastructure vulnerabilities abound. Current IAM applications provide strong capabilities to know the identity of a worker and then give him or her access to IT resources, such as email and databases. However, with a direct and “hard-coded” approach to mapping users to resources, today’s IAM applications cannot automatically react to organizational changes. Consequently, individuals inevitably do not have the right level of access to the right information at the right time and often have too much access leading to security breaches.

Current IAM applications lack an automated way to track and manage a person’s roles, or what job or jobs she does, and thus what privileges and access rights she needs. For example, an employee may have a temporary role in a cross-functional project team. In today’s IAM infrastructures, provisioning for that employee’s temporary project role creates many time-consuming, manual and inaccurate processes that could compromise enterprise security.

SmartRoles completes IAM infrastructures by automatically tracking and managing *what jobs people do*, and integrating with provisioning systems to ensure the right access at the right times. It is an enterprise-class application for managing the life cycle of roles and membership data.



Bridgestream SmartRoles is the authoritative repository of roles and role membership information for the enterprise identity & access management infrastructure.

KEY FEATURES

- Accurate and Authoritative Roles Repository**
 SmartRoles captures organizational information in terms of policies, approvals, and relationships into a comprehensive roles repository. It serves as the central source of information for roles and role membership.
- Automated Context**
 Rich business roles information provides context to processes for user provisioning and access management.
- Full Temporality**
 The patent-pending temporal capabilities of SmartRoles enable users to track changes in organizational roles based on business events, plan and analyze roles based on future events, and retain an audit trail on *who*, *what*, *when* and *why* people have access.
- Complement to Existing IAM Environments**
 SmartRoles leverages previous investments in IAM systems by importing complete organizational information from HRMS, LDAP and other systems and serves as the role management repository for IAM systems.

“Roles management is a critical and high-value element of a complete enterprise identity management architecture. An integrated approach to identity and roles management will enable enterprises to realize the benefits of automated provisioning more quickly while reducing administration costs.”

– Kevin Kampman, Burton Group, 2005

Bridgestream is one “Cool Vendor” out of fifteen this year in IT Security & Privacy.

– Gartner, 2005

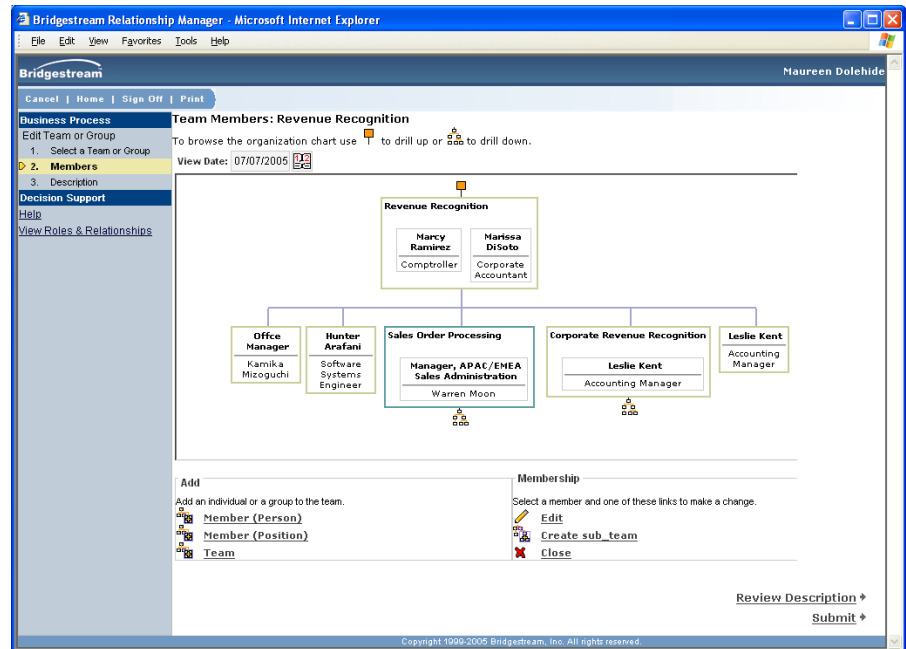
FOUR-STEP APPROACH FOR AUTOMATING BUSINESS ROLES

Model the Business

SmartRoles uses a top-down approach to model and define business roles. The implementation starts by understanding your business framework and mapping the business relationships that exist within departments, across divisions and throughout the extended enterprise of contractors, vendors and partners. Role dependencies and conflicts are then computed, and your company receives governance recommendations for roles policy and practice.

About Bridgestream

Bridgestream is the leading provider of business roles automation solutions. The Bridgestream SmartRoles software maps the business relationships that exist within a department, across a division and throughout the extended enterprise to provide fast, accurate and real-time information about role-based authorizations and changes. SmartRoles decreases the enterprise's costs of managing roles and role membership data, improves visibility and control, and strengthens enterprise security.



Bridgestream SmartRoles provides an intuitive user interface for capturing and managing organizational information.

Aggregate and Maintain Organizational Data

SmartRoles aggregates organizational roles and role membership information by integrating with directories, HRMS, and other business applications. It tracks the life cycles of key events, such as *hire*, *transfer*, *promote* and *terminate*, to determine changes to roles and role memberships.

Manage Roles, Role Membership & Approver Hierarchies

SmartRoles automatically calculates roles and role membership based on business events. Optionally, it provides workflows for process owners and participants to validate changes in roles and membership. For example, if a call center agent transfers out of the credit cards department of a bank and into the mortgages department, an inquiry can be automatically sent to the manager or managers to ask whether the call center agent should still have the same level of access to applications and data. SmartRoles determines the required approvers for business processes based on sphere of control.

Map to Resources

SmartRoles is the repository for organizational roles and a supplier of role membership and approver information. Using standards-based integration buses and adapters, SmartRoles can integrate with provisioning, access management and other consuming systems. SmartRoles maps business roles to IT privileges. It provides critical approver information to automate timely and accurate resource provisioning.

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