

Role-Based Access Control

Role-Based Access Control (RBAC) allows organizations to enforce “least privilege” access to mainframe resources by granting access privileges based on job functions. Giving employees only the access they require for their jobs reduces costs, increases productivity and improves security.

However, implementing RBAC requires significant expertise and planning. Organizations are turning to Vanguard Professional Services to assist them with mainframe RBAC deployments because Vanguard has a record of success with RBAC conversion and the most experienced mainframe security team in the world.

The RBAC implementation services that the Vanguard Professional Services team provides include proven processes and unique RBAC conversion software, developed by Vanguard, to help organizations reduce provisioning time, eliminate errors and adhere to role structure over time.

Vanguard RBAC mainframe implementations greatly reduce the cost, risk and complexity of user access management and administration by:

- Decreasing staff and business disruptions through standards-based, automated implementation of RBAC.
- Increasing productivity by reducing common user access management tasks.
- Streamlining IT administration, security and governance.
- Ensuring industry and regulatory requirements are met through automated enforcement of access by roles.
- Reducing audit response times by providing the ability to clearly review access history.

Proven Vanguard RBAC Process

Vanguard tailors each RBAC conversion project to an organization’s structure, business needs and other factors. Vanguard Professional Services consultants:

- Conduct design meetings with designated personnel.
- Develop conversion plans.
- Configure Vanguard’s RBAC conversion software.
- Conduct initial tests of the conversion process.
- Provide project management and oversight of organization-wide roll out.
- Train internal staff on processes, standards and the use of Vanguard RBAC conversion software.

Staffing for organization-wide RBAC implementation is either provided by an organization’s internal resources or by members of the Vanguard Staff Augmentation team.



- Largest and most experienced group of mainframe security experts in the industry
- Team members average 30 years of mainframe and RACF® security experience
- Projects customized to meet each organization’s unique requirements and policies
- RBAC roles designed to meet industry standards and regulatory requirements
- Automated RBAC conversion software streamlines implementation and role maintenance
- Consultants provide knowledge transfer and training to internal security teams to ensure assets are protected

Vanguard RBAC implementation steps:

Vanguard consultants follow a series of proven steps for each mainframe RBAC conversion project.

1. Review organizational roles to ensure the deployment supports organizational structure and access requirements.
2. Customize Vanguard RBAC conversion software to map privileges to internal roles.
3. Identify resource owners to review and approve the groups and departments that need access to mainframe resources.
4. Develop organization-wide RBAC roll-out schedule.
5. Identify department or group to serve as initial test case for conversion tool and to verify roles before organization-wide implementation.
6. Permit each test role group to access needed resources and begin live user access tests and modifications.
7. Convert test case department employees to new roles using a role-by-role process to further reduce potential for error.
8. Review access planning documentation and make final adjustments of role-based access for each department.
9. Project manage organization-wide implementation.
10. Review and document RBAC process and complete internal staff training to ensure that over time roles are properly known and managed.

About Vanguard Professional Services

Vanguard Professional Services offers a range of services to automate and optimize mainframe security. The Vanguard Professional Services team is the largest and most experienced group of mainframe security experts in the industry. Team members average more than 30 years of mainframe and RACF security experience and there are few security situations they have not encountered and successfully addressed. Vanguard Professional Services has a proven track record and hundreds of satisfied customers. Services offered include comprehensive security assessments, remediations, implementations of application and RACF security, migrations to RACF security from ACF2, Top Secret and DB2®, and customized System z® security training programs.

About Vanguard Integrity Professionals

Vanguard Integrity Professionals provides enterprise security software and services that solve complex security and regulatory compliance challenges and deliver a rapid return on investment. With automated solutions for identity and access management, and governance, risk and compliance, Vanguard enables government agencies and corporations around the world to ensure continuous monitoring of mainframes, safeguard cloud computing secure domains, and protect critical data and applications from cybersecurity threats.

For More Information

To learn more about how Vanguard RBAC implementations and other services from the Vanguard Professional Services team can help your organization, visit www.go2vanguard.com or call (702) 794-0014.

© 2013 Vanguard Integrity Professionals, Inc. DB2, RACF and System z are trademarks of International Business Machines, Inc. in the United States and other countries. All other trademarks are trademarks of their respective owners. VRBPS-101

www.go2vanguard.com

