



# IBM Systems Lab Services & Training - Power Systems

Services for AIX, i5OS, and Linux on Power – PowerCare Eligible



[http://www.ibm.com/systems/services/labservices/platforms/labservices\\_power.html](http://www.ibm.com/systems/services/labservices/platforms/labservices_power.html)

## RBAC Workshop

### Overview:

Starting with AIX 6.1, Enhanced Role Based Access Control (RBAC) on AIX is the most powerful and sophisticated access control tool for AIX. Many UNIX security breaches occur because of excessive access to root. One of the most important ways to protect your AIX environment is to lessen unnecessary root access. RBAC provides a rich set of tools for allowing administrators to gain the access they need to do their jobs without having to grant root access. RBAC is also important for many companies to implement in order to satisfy various regulatory standards.

In this workshop, we will look at the nuts and bolts of RBAC and work through several different RBAC lab exercises in order to gain experience in addressing the most critical elements of RBAC implementation:

- Provide presentations to help the customer staff understand RBAC
- Detailed installation and configuration of RBAC
- Learn how to enable 3<sup>rd</sup> party scripts and applications for RBAC
- Roadmap for implementing RBAC in production
- Learn why RBAC is far superior to other access control tools, like SUDO
- Learn how to centralize RBAC using existing LDAP Directory Services
- Learn how save disk space and CPU cycles when integrating RBAC with the AIX auditing subsystem

### WHO benefits from this workshop and WHY?

- Clients wanting to prevent a security breach
- Clients with limited skills or experience with RBAC
- Clients needing a secure solution for delegated administrative access
- Clients needing to implement separation of duties
- Clients wanting to enable their AIX environment for existing and future AIX applications that implement RBAC roles

### Duration

- 2 days on-site

**Terms and Conditions:** Actual Tasks, Deliverables, Service Estimates, and travel requirements vary with each client's environment. When we have reached a final agreement on the scope of your initiative and our level of assistance, a formal document describing our proposed work effort, costs, etc, will be presented for your approval and signature.

### Phase 1 – Preparation (remote):

Conference calls are held prior to the service to validate the scope, agenda, schedule and required materials.

- Client provides overview of their current AIX access control systems
- IBM team prepares the service agenda/schedule
- Identify required materials / Finalize key players

### Phase 2 – RBAC Workshop (on site):

#### Installation and configuration of RBAC

#### Example Tasks

- Create and customize RBAC roles and authorizations
- Learn how to configure RBAC with AIX Auditing
- Learn how Domain RBAC can be used to add further granularity to your access control design
- Learn how to replace use of dangerous setuid with RBAC
- Learn how to customize your RBAC configuration
- Configure separation of duties using RBAC by requiring multiple administrators for command activation
- Learn the differences between AIX roles, authorizations and privileges
- Configure critical files for access via RBAC roles
- Limit access to critical file systems using Domain RBAC

**Deliverables** – Understanding RBAC presentation, RBAC Workshop slides, Implementation Guide for integrating RBAC with existing LDAP Services

#### RBAC Demo

#### Example tasks

- At conclusion of the service, provide customer staff a demo of RBAC
- Provide a general Q&A session