



There's power. And then there's too much power.

Overview

Too many people with too much access to critical data is one of the most common and dangerous security lapses uncovered in System i and AS/400 audits. Programmers, developers, and administrators often have security officer or *ALLOBJ special authority built into their everyday profiles on production systems—just in case they need it for emergencies. Unfortunately, this creates the potential for catastrophic data corruption or loss.

Delegate Privileged Authority

With Authority Broker, administrators can predefine users that are allowed to use elevated levels of authority. Users “swap” into the privileged profile only for the specific window of time that they need it and all activity during the swap is logged to a secure journal.

FireCall

Developers often need emergency access to production systems outside normal work hours. The patent pending FireCall feature enables overburdened system administrators to delegate the ability to approve swaps to the Help Desk or other staff.

Real-Time Alerts

You can notify managers of profile switches in real time. Send alerts to i5/OS message queues and interface with existing e-mail and messaging solutions.

Comprehensive Reporting

Satisfy your auditor requirements with reports that provide a complete audit trail of the activity of privileged users. For example, you can create reports for any of the following:

- A summary of profile swaps
- A list of all commands entered
- Details from the audit journal
- All invalid access attempts

Report Filtering

Authority Broker's unique report filtering technology lets you print only the critical information that your auditors require. Using filters you can exclude irrelevant programs, or list only commands that were entered from a command line.



Timestamp	JE Type	Entry Description
2008-01-07 10:43:05.900	CD	A command (DSPJOBLOG) was run.
2008-01-07 10:43:08.078	CD	A command (DSPJOBLOG) was run.
2008-01-07 10:43:08.218	CD	A command (DSPJOBLOG) was run.
2008-01-07 10:47:43.567	BG	An Authority Broker swap from user BRENDAN to ZSECOFR began.
2008-01-07 10:47:43.567	BH	An Authority Broker timed swap began.
2008-01-07 10:47:43.673	ER	The reason for an Authority Broker swap is Making a change to a system values
2008-01-07 10:47:43.674	ER	The reason for an Authority Broker swap is BRENDAN changed to run under aut
2008-01-07 10:47:47.801	CD	A command (GO) was run.
2008-01-07 10:47:55.998	CD	A command (WRKSPFLF) was run.
2008-01-07 10:48:01.696	CD	A command (WRKSBMJOB) was run.
2008-01-07 10:48:13.365	CD	A command (DSPSYSVAL) was run.
2008-01-07 10:48:28.620	CD	A command (CHGSYSVAL) was run.
2008-01-07 10:48:33.853	CD	A command (CHGSYSVAL) was run.
2008-01-07 10:48:36.509	CD	A command (WRKLIB) was run.
2008-01-07 10:48:56.776	CD	A command (WRKOBJ) was run.
2008-01-07 10:49:02.743	CD	A command (DSPOBJD) was run.
2008-01-07 10:49:08.253	CD	A command (DSPOBJAUT) was run.

Reports show the activity of privileged users. You can display reports in spooled files, MS Excel, or through PowerTech Compliance Monitor.

“Authority Broker provides the separation of duties that SOX auditors look for. I receive an alert when a user swaps into a powerful profile as well as a daily report that I can keep on file.”

— Matt Radatti
C & D Technologies,
Computer Operations Manager

Time-Limited Authority

Ensure that users do not abuse the privileges granted by limiting the length of time of the profile swap. The action to take at the end of the swap is configurable by the administrator.

Day, Date, and Time Restrictions

Administrators can limit the checkout of powerful authorities to specific time periods, or restrict access on weekends and holidays.

Enforce Segregation of Duties

Some companies have an existing process in place for providing emergency access to development staff. Implementing Authority Broker saves time compared to in-house developed tools and enforces segregation of duties. Auditors don't like to see developers writing applications to report their own activity.

Application and System Integration

Custom exit points enable you to integrate Authority Broker with your existing code and solutions. Authority Broker exit points are provided for integration before and after profile swaps (sample code is provided). For example:

- Change accounting code and library list
- Wait for system operator to approve switch
- Connect to Help Desk ticketing software to gain approval

```

Date: 3/25/08          PowerTech Authority Broker          Sys : ROBINSON
Time: 12:25:41        Assign System Users to Switch Profiles          Prog: PABR0100
                                Authority Broker Full License Version          User: BRENDAN

Working on System ROBINSON for Partition 3

_____ Position to System User          _____ Position to Switch Profile

Options
1=Add 2=Change 4=Delete 5=View 7=Day of Week Schedule 8=Override DOW Schedule
15=Notification Information 17=Switch Pair Exit Points
System
Opt User          System User Desc          Switch Profile          Switch Profile Desc          Type
---
ALANM          Alan Mills - Program          ZSECOFR          Alt Security Officer          No limit
ANDYS          Andy Smith - Program          ALANM          Alan Mills - Program          No limit
ANNED          Anne Davis - IT Manag          ZSECOFR          Alt Security Officer          No limit
BARRYT          Barry's profile to co          ZSECOFR          Alt Security Officer          No limit
BOBW          Programmer Analyst 2          APMOD          Emergency Fixes to AP          No limit
BOBW          Programmer Analyst 2          ZSECOFR          Alt Security Officer          No limit
CARLA          Carla - System Admin          ZSECOFR          Alt Security Officer          No limit
More...

F3=Exit F4=Lookup F5=Refresh F12=Cancel
  
```

With Authority Broker, you configure users with the ability to swap to profiles with more authority.

About the PowerTech Group, Inc.

Because System i and AS/400 servers are used to host particularly sensitive corporate data, it is imperative that you practice proactive compliance security. As an IBM Advanced Business Partner with over 1000 customers worldwide, PowerTech understands corporate vulnerability and the risks associated with data privacy and access control.

To learn more, visit www.powertech.com to find white papers, case studies, and product demonstrations, or call 800-915-7700 (USA) or 253-872-7788 to speak to a security solutions specialist.

