

RAZ-LEE

iSecurity
Command



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| Command-line Control & Monitoring

iSecurity Command provides total control over system & user defined CL commands, regardless of how the CL command was entered.

Risk at the Command-line

Command-line (CL) commands control nearly all IBM i functionality.

As such, monitoring, controlling and logging CL commands is essential for both the ongoing functioning of the company and compliance with regulations such as **GDPR, SOX, HIPAA, PCI, NIS2, DORA** and auditor-mandated policies.

- A minor change in a CL command parameter can cause severe damage, yet it is difficult to control the use of CL commands and their parameters.
- Unauthorized and uncontrolled use of CL commands and their parameters pose a major corporate risk. Companies and auditors require greater control of CL commands.



iSecurity Command Insights

iSecurity Command provides total control over system & user defined CL commands, regardless of how the CL command was entered.

Our Solution:

- ✓ Allow normal CL command processing.
- ✓ Allow CL command processing after modifying parameters or parts of parameters.
- ✓ Execute a different CL command.
- ✓ Reject the CL command.



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Let's see our Product in Action!

The best way to see how it works is a demo
with **iSecurity Command** running on a real
environment.



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Working with Restricted Commands

```
Work with Restricted Commands

Type options, press Enter.                               Subset . . . _____
 1=Select   4=Remove   6=Activate   7=Activate-RTV   8=Deactivate   9=Info
Exit-Pgms: Y = Required, █ = Active

Opt Status   RTV CHG Command   Library
-----
-   - - - - -           CHGJOB   QSYS       Change Job
-   - - - - -           CHGNETA  QSYS       Change Network Attributes
-   - - - - -           CHGOUTQ  QSYS       Change Output Queue
-   - - - - -           CHGPF    QSYS       Change Physical File
-   Active    █   █   CPYF     QSYS       Copy File
-   - - - - -           Y   Y   DSPACTPREFL QSYS       Display Active Profile List
-   Active    █   █   DSPDTA   QSYS       Display Data
-   - - - - -           Y           DSPJOBLOG QSYS       Display Job Log
-   - - - - -           DSPNETA  QSYS       Display Network Attributes
-   - - - - -           Y           DSPUSRPRF QSYS       Display User Profile
-   - - - - -           ENDSBS   QSYS       End Subsystem
-   Active    █   █   SBMJOB   QSYS       Submit Job

More...
Use option 9=Info for full explanation of Status and Exit Programs information.

F3=Exit   F6=Add New   F8=Print   F12=Cancel   F13=Repeat   F14=Clear Repeat
```

Filter Conditions

Filter conditions are the criteria that must be matched when a command is entered by a user in order to trigger the command's alerts, messages and changes. Each filter condition consists of a comparison test applied against one of the fields in the journal record, such as a parameter, originator (job, user, IP) or context (from which program, environment).

```
Filter Conditions

Cmd . QSYS/CHGUSRPRF
Type conditions, press Enter.
Test:EQ NE LE GE LT GT N/LIST N/LIKE N/START N/ITEM N/PGM

Q/E=Qualifier/Element, enter its Id or leave blank. "... denotes List.

And
Or Parameter:
  Initial program to call
  Job description
  EIM association
  User Profile (Current)
  Programs in stack
  Job type INT/BCH
  From program name
  Initial program to call
  User profile
  User password

Q/E
  Id Test Value (use F4 for ITEM), *N=Missing
  0 2 LIST PGMLIB TESTLIB QGPL *N
  0 EQ QGPL/QBATCH
  E 2 EQ *ADMIN
  ITEM *SPCAUT/*JOBCTL
  LIKE %MNUUSR%
  EQ INT
  EQ QCMDEXC
  0 EQ SSS

More...

F3=Exit F4=Prompt F6=Insert F7=Prompt CMD F8=CMD help F11=Text/Fid
F12=Cancel
```

| Advantages on our Solution

iSecurity Command works with rules, when a command rule is matched, a message can be generated to alert different users.



Support for Complex Parameter Structures

Unique Support for Complex Parameter Structures. The structure of CL command parameters can be complex; for example, some of the Change User Profile (CHGUSRPRF) parameters are:

- Qualified such as: **INLPGM(library / program)**
- Composed of elements such as: **EIMASSOC(admin *ADMIN *REPLACE)**
- Include a list of values such as: **SUPGRPPRF(grpprf1 grpprf2 grpprf3)**

To properly analyze a CL command parameter, accurate referral is required. **Command** is the only product that has the ability to refer, for analysis or change, to each part of a complex parameter separately, as well as to the parameter as a whole.

iSecurity Command includes a variety of selection criteria which enable replacing, adding or removing qualifiers, elements and list elements!

Log and Event Manager

When a CL command rule is matched, a message can be generated to alert different users.

- ✓ CL command Reject or Allow with or without modifications may initiate **alerts by e-mail, Syslog or SIEM.**
- ✓ Replace, prior to execution, an element, a qualifier, an entire parameter or the CL command itself.
- ✓ Extensive log with a full Report Generator produces **HTML and PDF reports** and sends them by e mail.



iSecurity Command Advantages

- ✓ System or User Defined CL commands can be filtered according to the relationship between parameters, originator (job, user, IP) and context (from which program, environment).
- ✓ Reference to a specific qualifier or element allows differentiating between “PAYROLL” as part of the file or library name itself.
- ✓ Selection criteria include EQ, LIST, LIKE, START, etc. and ITEM, which ensures the existence of a specific user in an external table to verify that the user has, for example, special authority.



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