



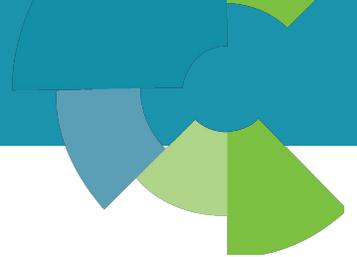
2024 | BOSTON  
**INNOVATE**  
JMT CONSULTING

# Fortifying Your Financial Fortress: MIP Security Mastery (3G)

Dennis Guiney

**JMT**  
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- This session qualifies for 1 CPE credit.
- Please make sure you sign in on the sheet.
- You must complete the survey through the QR code at the end in order to receive your CPE certification.
- The survey can be completed using your mobile device. Optional paper surveys are available and must be turned in at the registration desk.
- Please silence your mobile device during the presentation.

# Introduction



**Dennis Guiney**  
Senior Technical Consultant

# Security Overview

## Security Contexts for MIP Fund Accounting:

- Windows
- SQL Server
- Community Brands MIP Application Security



## Windows Security

- NTFS
- Only 'Administrators' should have access to files on server
- '\\MIP SHARE' should be shared with change permissions after MIP Server installation

# Windows Security

- Only 'MIP Users' should have access to the share  
(Create a group)
- Backup MIP Share
- Local Admin to install

## SQL Server Security

- SA account password guarded/retained
- NPSAdmin user
- Creating a custom login with read-only access

# Application Security

- Two types of application security:
  1. System Security
  2. Organization Security

## Application Security - System

- Not database-specific
- Stored in NPSSQLSYS database
- Administrative-level functions

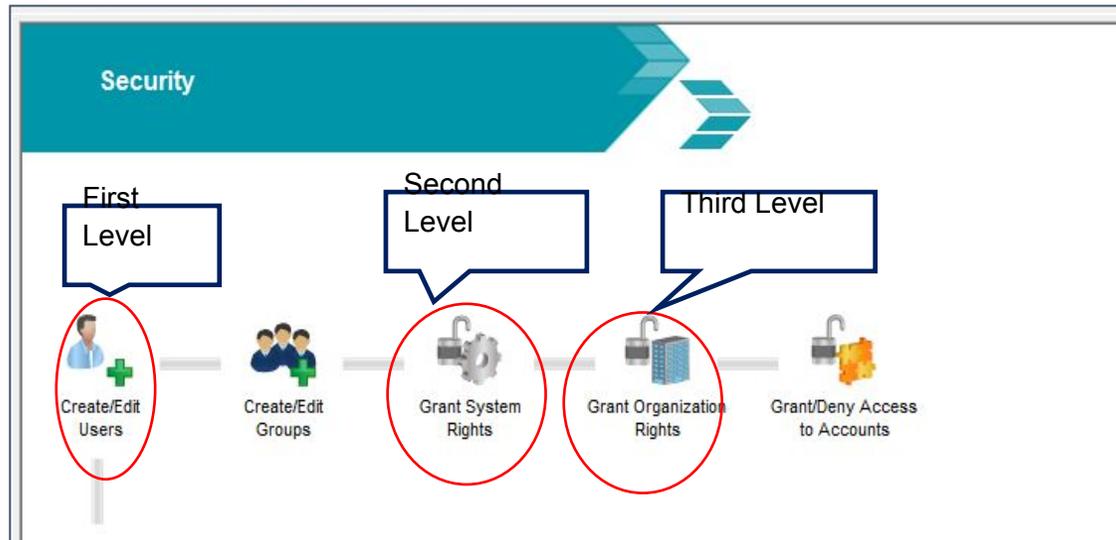
# Application Security Organization

- Organization-specific
- Menu- and task-level control
- Account level control
- Report security



## User Access / Rights

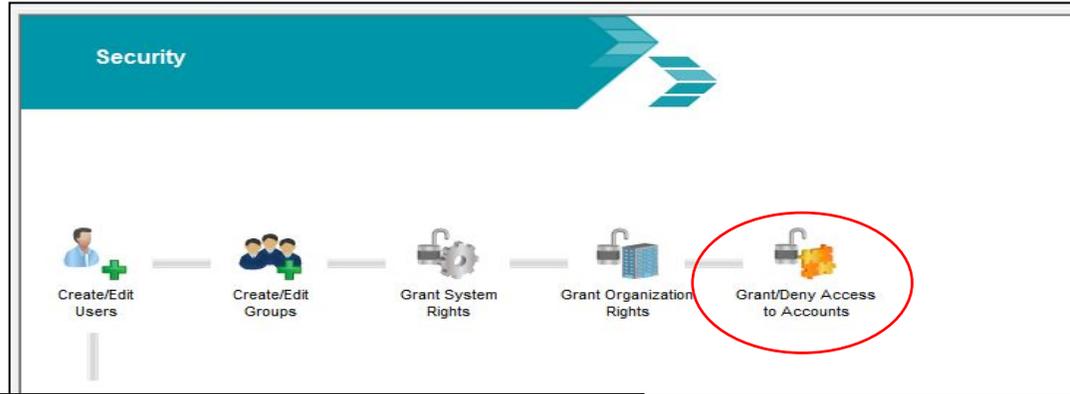
- **First Level** : Login Access to a Database
- **Second Level** : Grant Rights to Administration System Menus
- **Third Level** : Grant Organization-Specific Rights Within Modules





# Account Level Security

- Grant / Deny a User or Group Access to Chart of Accounts Segment(s)



ID:

Enable Account Level Security     Display All Accounts

Deny Access to Accounts  
Available Items:

Segment	Code	Title	Account Type
Fund	<Blank>		
Fund	1	General Fund	
Fund	10	Start-L	
Fund	2	Temporarily Restrict...	

Selected Items:

Segment	Code	Title
Fund	3	Plant Fund
Fund	4	Sustaining Fund
Fund	5	Development ...
Fund	6	Endowment F...

## Audit Tools

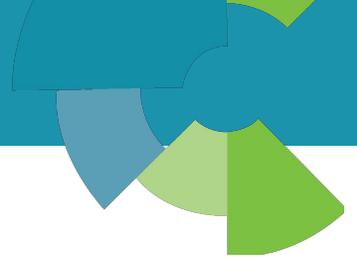
- Community Brands MIP Fund Accounting Tools



# System Audit Trail in MIP

- Track changes to each of your Databases
- Additions, Edits, Modifications of Users or Groups
- Who Accessed the System

	Date	User ID	Database Name	Message	Message Type
	4/13/2014 12:02:24 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/13/2014 11:11:10 AM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/13/2014 10:59:16 AM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/12/2014 2:42:09 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/11/2014 12:56:41 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/9/2014 9:58:13 AM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/9/2014 9:52:44 AM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/8/2014 3:09:24 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/3/2014 1:58:09 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/3/2014 1:54:33 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/3/2014 1:54:22 PM	ADMIN	SSA Innovate	SSA Innovate was restored.	SY_Other-GUI_CBODBUilities_restored.
	4/3/2014 1:52:42 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.
	4/2/2014 12:28:10 PM	ADMIN		System Log On was Successful.	SYSTEM_LOGON_ADMIN_Successful.



## Summary Org Audit Trail

- Use this form to view and print a log of completed activities for the organization in which you are working. This log provides detailed information regarding addition, modification, and deletion of records. Also, the log provides detailed information regarding what sessions have started posting, are posted, or if the posting session failed.

Date	User ID	Message	Message Type
4/13/2014 12:02:24 PM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
4/13/2014 11:11:11 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
4/3/2014 1:52:43 PM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
4/2/2014 12:28:10 PM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
9/14/2012 10:40:16 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
9/14/2012 9:42:26 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
9/14/2012 9:28:30 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
8/30/2012 9:33:03 AM	ADMIN	Process Allocations Calculation ID: FB Training was Edited.	AM_NPS-GUI_Process Allocations_Edited.
8/30/2012 9:31:03 AM	ADMIN	Copy Allocation Process was Added.	AM_Other-GUI_CBOCopyAllocProcess_Added.
8/30/2012 9:16:22 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
8/28/2012 11:33:26 AM	ADMIN	Report RT Id: Statement of Revenues and Expenditures, Report Name: Encumbrance...	GL_NPS-GUI_Report_Edited.
8/28/2012 11:29:21 AM	ADMIN	Report <Stmnt of Revenues and Expenditures - Comparative> to Encumbrances was c...	Report__copied.
8/28/2012 11:22:23 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
8/27/2012 11:16:53 AM	ADMIN	Organization Log On was Successful.	ORGANIZATION_LOGON_ADMIN_Successful.
8/15/2012 12:34:31 PM	ADMIN	Copy Allocation Code was Added.	AM_Other-GUI_CBOCopyAllocCode_Added.

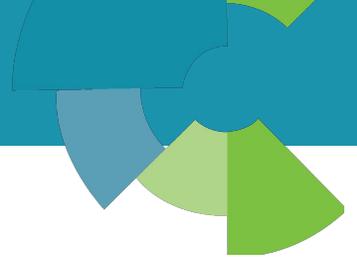


# Advanced Org Audit

- **Track Additions, Deletions, and Modifications**
- **Vendor, Customer, or Employee records**
- **Earning, Benefit, Leave, Deduction, and Worker Compensation Codes**
- **Chart of Accounts Segments**

	Enable Audit	Record Type
▶	<input type="checkbox"/>	Address Codes
	<input type="checkbox"/>	Chart of Accounts Dept Grant
	<input type="checkbox"/>	Chart of Accounts Fund
	<input type="checkbox"/>	Chart of Accounts GL
	<input type="checkbox"/>	Chart of Accounts Restriction
	<input type="checkbox"/>	Customer
	<input type="checkbox"/>	User Organization Security
	<input type="checkbox"/>	Vendor

NOTE: We recommend using the Advanced Organization Audit with the Full Version of Microsoft SQL Server installed on your Server machine



# Advances Org Audit Trail

- See Previous and Current Values for Fields
- User ID
- Changes Made in the Interface or Directly to the Database

Date	Record Type	Record ID	Action	User ID	Field Name	Old Value	New Value ^
4/13/2014 12:09:53 PM	Set Up Advanced Organization...	Vendor	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:53 PM	Set Up Advanced Organization...	User Organization Security	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:52 PM	Set Up Advanced Organization...	Customer	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:52 PM	Set Up Advanced Organization...	Chart of Accounts Restriction	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:52 PM	Set Up Advanced Organization...	Chart of Accounts GL	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:52 PM	Set Up Advanced Organization...	Chart of Accounts Fund	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:52 PM	Set Up Advanced Organization...	Chart of Accounts Dept Grant	Edit	ADMIN	Enable Audit	Disabled	Enabled
4/13/2014 12:09:52 PM	Set Up Advanced Organization...	Address Codes	Edit	ADMIN	Enable Audit	Disabled	Enabled



# Alerts

- Modules

Setup | Preview | Assign

Name: Vendor hold payment changed Importance: Medium Status: A

Real-time Notices  
 Email  In-product

Configure

Module: Accounts Payable  
 Identifies a Vendor whose Hold Payment status changed and the User who changed it

Event: Accounts Payable

Filter

Selected Filter	Compares To	Criteria 1	Criteria 2
	=	ABC	

# Alerts

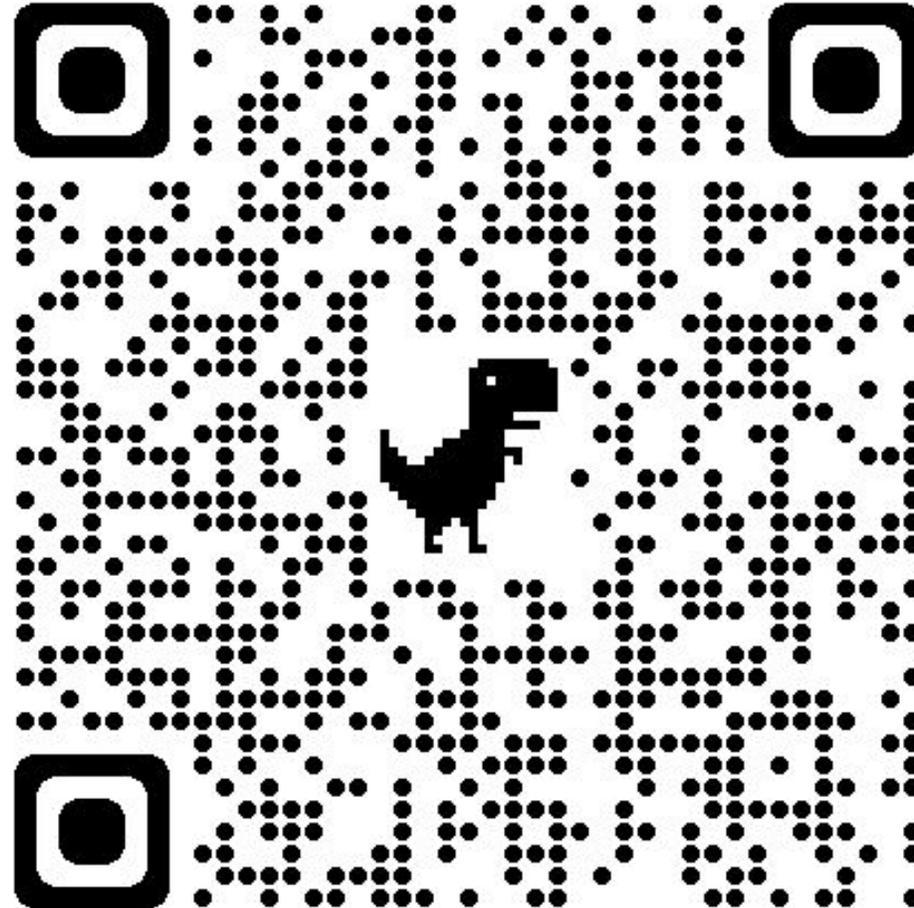
- Events

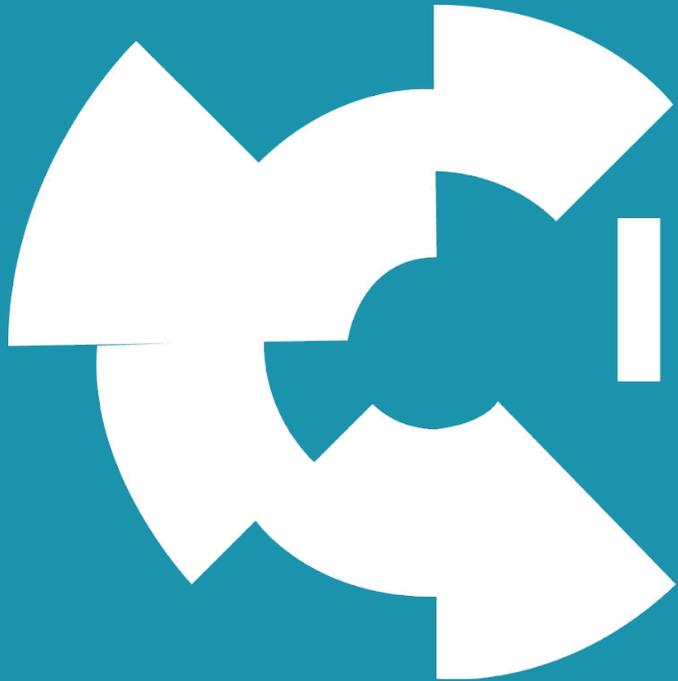
The screenshot shows a software interface for configuring alerts. It has three tabs: 'Setup', 'Preview', and 'Assign'. The 'Setup' tab is active. The 'Name' field is set to 'test', 'Importance' is 'Medium', and 'Status' is 'A'. Under 'Real-time Notices', both 'Email' and 'In-product' checkboxes are unchecked. The 'Configure' section has 'Module' set to '<All Events>'. The 'Event' dropdown is open, showing a list of events: 'Budget Tolerance', 'Cash Balance Threshold', 'Check Issued to Linked User', 'Check Issued without Vendor ID', 'Employee Pay Rate Change', 'Printed Check/Vouchers Not Recorded', 'System Check/Vouchers Deleted', and 'Three Failed Log On Attempts'. A table with columns 'Filter', 'Compares To', 'Criteria 1', and 'Criteria 2' is partially visible below the event list.



Session Name: Fortifying Your Financial  
Fortress: MIP Security Mastery (3G)

CPE Credit QR Code





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