IBM Security

# Is Your Guardium Environment Secure & Supportable?

IBM SECURITY SUPPORT OPEN MIC, presented by Ian Kelly, Sr. Adv. Guardium Support Engineer

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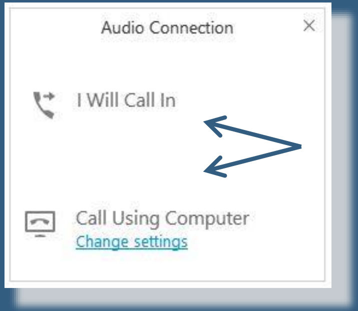
For more information, visit:
**http://ibm.biz/WebExOverview_SupportOpenMic**



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26 October, 2017

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# Introduction

- Guardium Security
  - Configurations that affect security
  - Keeping your data safe
- Supportability
  - The customer part of the partnership
  - Access to your system when needed

# Agenda

- Shared Secret
  - What is the ‘Shared Secret’ and why is it important?
- User ID’s & Password
  - What ID’s exist on my system and who uses them?
- Ports and Firewalls
  - Which Ports do I need open and why?
- Backups and Archives
  - Once data leaves the Guardium Appliance is it still secure?
- Supportability Options
  - Making sure the correct diagnostics can be collected when / if needed

# Shared Secret

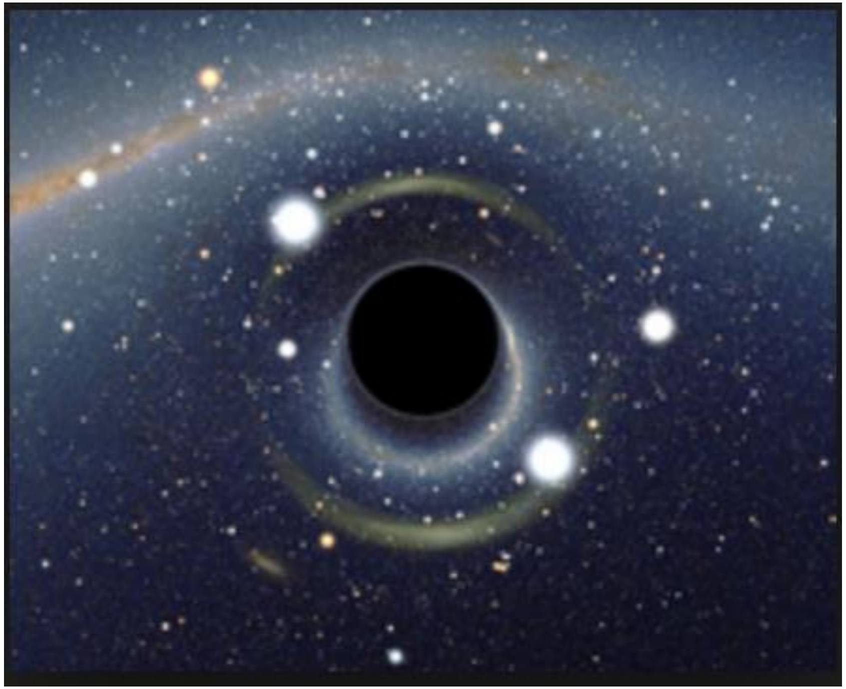
- Customer part of the encryption key
  - This makes your system unique and secure to you (Critical)

- “I don’t need to worry about this as I only have a standalone appliance”
  - Wrong, still critical !!!

# What is NULL?

- Is it Blank?
- Is it a Space?
- Is it a NULL?

- All of the above !



# Guardium keeps track of Shared Secrets

- Is this the Role of Guardium or the Users?

- Key Point :
  - Make sure you are aware of all the shared secrets your environment has ever used, including standalone !

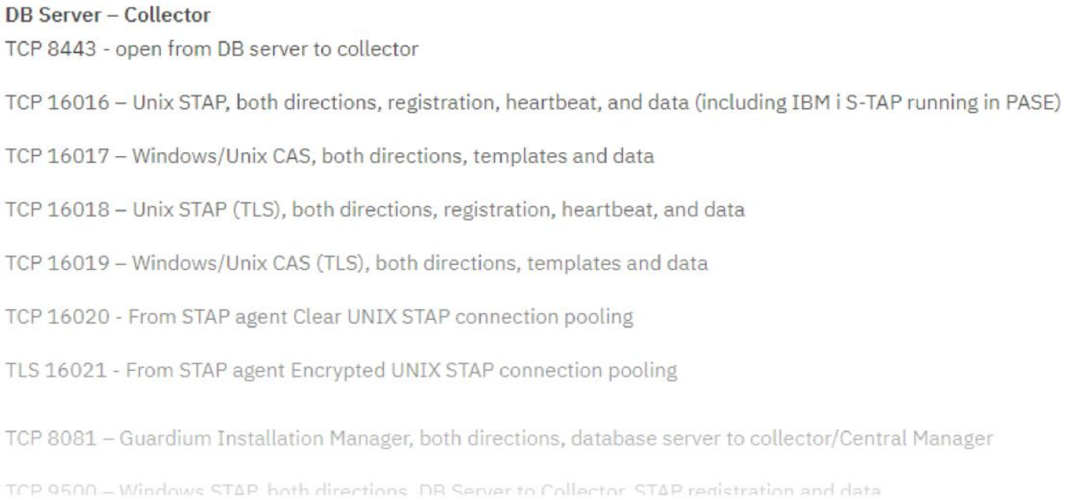
# User ID’s and Passwords

- **Via SSH**
  - CLI - The most common user login via SSH
    - Very important to keep restricted but known
    - Normal mode / recovery mode
  - guardcliX - Used to provide alternatives to CLI
    - ( guardcli1 / guardcli2 …. guardcli5)
  - Root - Restricted to support usage
    - Customer MUST to keep note of passkey away from the appliance
  - Mysql - Restricted to internal processes
  - Aggregator - Restricted to internal processes
  - Tomcat - Restricted to internal processes
- **Via GUI**
  - Accessmgr
  - Admin
  - GUI USERS with CLI privileges
  - INV_1 / 2 & 3
  - Customer user ID’s

# Ports and Firewalls

## Guardium v10.0/10.1/10.1.2/10.1.3 and v9.0/9.1/9.5 Open Ports

- https://www-01.ibm.com/support/docview.wss?uid=swg21973188



**DB Server – Collector**

TCP 8443 - open from DB server to collector

TCP 16016 – Unix STAP, both directions, registration, heartbeat, and data (including IBM i S-TAP running in PASE)

TCP 16017 – Windows/Unix CAS, both directions, templates and data

TCP 16018 – Unix STAP (TLS), both directions, registration, heartbeat, and data

TCP 16019 – Windows/Unix CAS (TLS), both directions, templates and data

TCP 16020 - From STAP agent Clear UNIX STAP connection pooling

TLS 16021 - From STAP agent Encrypted UNIX STAP connection pooling

TCP 8081 – Guardium Installation Manager, both directions, database server to collector/Central Manager

TCP 9500 – Windows STAP, both directions, DB Server to Collector, STAP registration and data

# Backups and Archives

- Where do I store backup and archives, and are they secure ?
  - What is the difference between a backup and an archive?
  - Why would I need to store backups in a secure place?

# Supportability Options

- Support of Guardium appliance
- Methods of communication with support
  - Phone & Email
  - WEBEX
  - Support Execute
- Must Gathers
  - Run must gathers from time to time for your own use and get to know them
- Root access
  - Know your passkey without needing CLI Command at the time

# What we have covered today

- Shared Secret
  - The ‘Shared Secret’ and why is it important
- User ID’s & Password
  - ID’s on my system and who uses them
- Ports and Firewalls
  - Ports I need open and why
- Backup’s and Archives
  - Is data secure after it leaves the Guardium Appliance
- Supportability Options
  - Making sure the correct diagnostics can be collected when and if needed

# Questions for the panel

***Now is your opportunity to ask questions of our panelists.***

**<u>To ask a question now:</u>**

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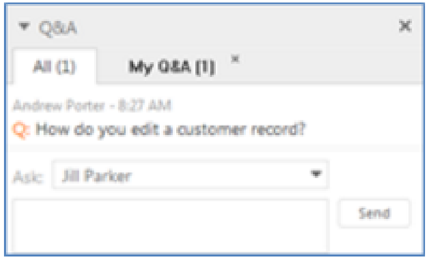

Andrew Porter - 8:27 AM

Q: How do you edit a customer record?

**<u>To ask a question after this presentation:</u>**

- **You are encouraged to participate in the dW Answers forum:** [http://ibm.biz/guardiumforum](http://ibm.biz/guardiumforum)

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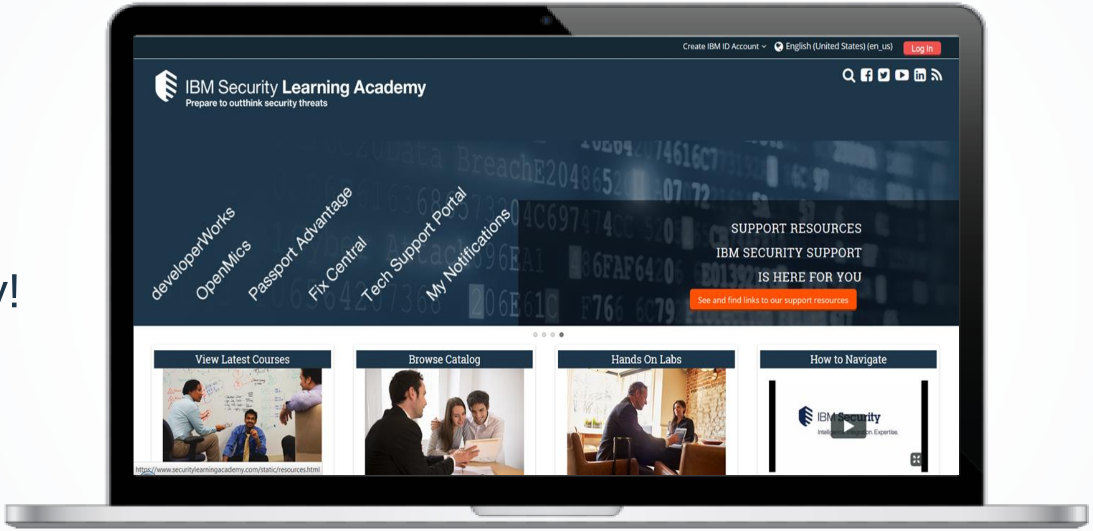

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# Where do you get more information?

- **Questions on this or other topics can be directed to the product forum:** http://ibm.biz/guardiumforum

- **Technote** Guardium v10.0/10.1/10.1.2/10.1.3 and v9.0/9.1/9.5 Open Ports https://www-01.ibm.com/support/docview.wss?uid=swg21973188

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