







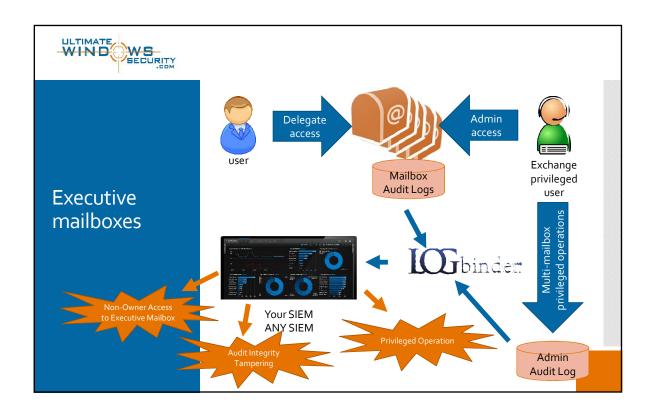


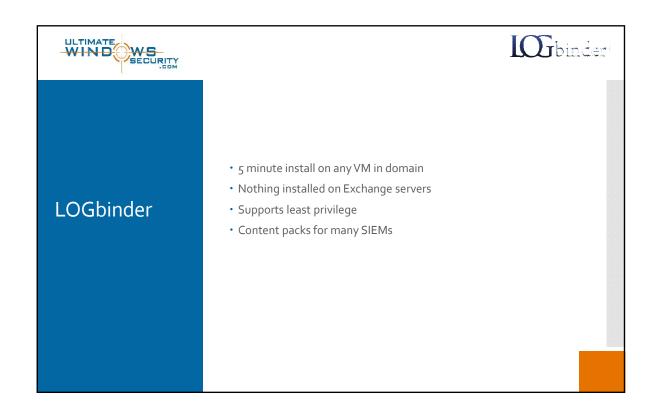
## **K**binder

## Important facts about mailbox auditing

- Many organizations want to focus on Exchange mailbox audit log and do not see Exchange admin audit log as a requirement
  - Unless you are only worried about delegate end-users
  - Do not care about privileged access to mailboxes
- · That is a mistake
- Multitude of privileged operations that allow mailbox theft
- · Only caught by the admin audit log
  - https://www.ultimatewindowssecurity.com/exchange/adminaudit/default \_aspx









# **M**binder

# The security vulnerability in 50 words

- New-MailboxAuditLogSearch returns unpredictable results when:
  - -Mailboxes parameter omitted, i.e. All mailboxes
  - -StartDate less than 24 hours ago
- Depending on exact –StartDate
  - no events
  - · a few events
  - all matching events are sent back by Exchange.
- After 24 hours, a full result set of all expected events is returned.



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#### Other facts

- Affects
  - Exchange 2010, 2013, and 2016
- Not an issue if
  - Limit search to specify mailbox with –Identity
  - But
    - How many mailboxes?
      - New mailboxes?
      - · Performance?
- Exchange reports only support dates, not time ranges
- · Diabolical problem
  - Unless you are looking for specific events repeatedly you'll never notice the problem
  - We didn't in testing but one of our very security conscious US banks did an audit of their audit logs and came to us with this
- · We have reported to Microsoft
  - Confirmed the issue
  - Tracking and working on resolution
  - · No timeline to share
  - Work around is to use date range greater than 24 hours\



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## Business, Compliance and Security Impact

#### Business/Security Impact

- Organizations monitoring many mailboxes for non-owner access will not be able to detect or respond to information theft or other tampering for at least 24 hours.
- Organizations need and expect to be able to detect and respond to security incidents within seconds or minutes. T
- Creates compliance issues and prevents organizations from handling Edward Snowden-like information grabs while there is still time to do something about it.





### **LOGbinder**

- · What we believe at LOGbinder
  - You need to get audit events off the system/application where they are generated as fast as possible
  - You cannot damage the performance of the system/application being collected from
  - You should use least privilege possible
  - To catch intruders and respond to unauthorized access you must know within in minutes (if not seconds)
  - 24 hours is too long



