

#### AGENDA

- SQL Alerts for all my Servers in a Glass Pane
- Build it yourself Mentality/Methodology
- Setup
  - SQL Agent Alerts Turn on for all Monitored Servers
  - SQL Agent Job Copy Alerts to Central Database
  - Central Database holds Alerts for Reporting
  - SSRS or PowerBI Reports

#### PROJECT WORKFLOW

- SQL Agent detects an Alert
- The Alert Response calls a SQL Agent Job, passing the Alert details via Agent Tokens to a Powershell Script with parameters
- The Powershell Script logs the Token values to the Centralized SQL database

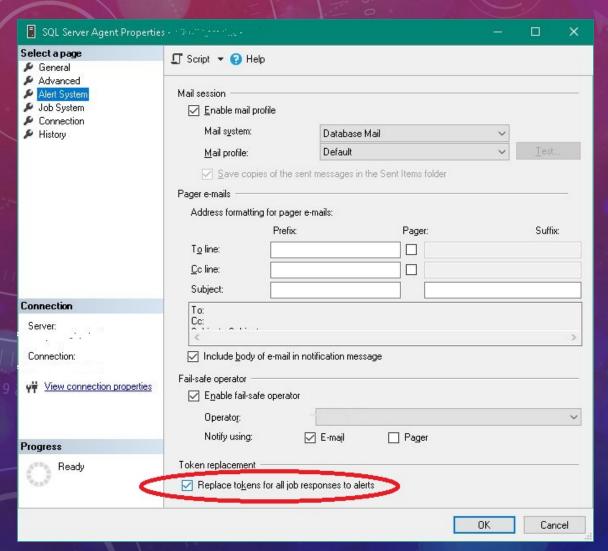
HTTPS://GITHUB.COM/GWALKEY

SSRS Reports show the Alerts for all Servers

## THE AGENT TOKENS

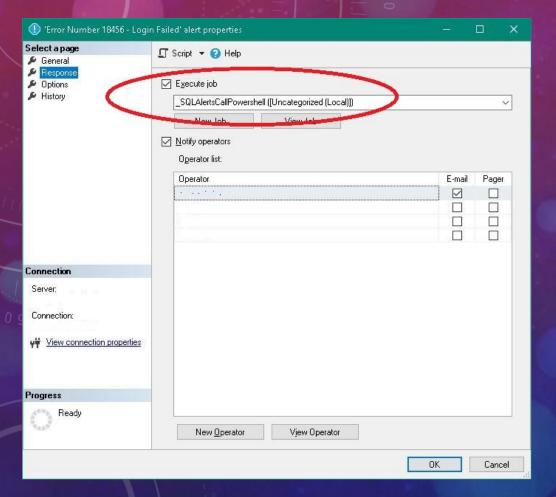
- A-DBN Database Name
- A-SVR Server Name
- A-ERR Error Number
- A-SEV Severity Level
- A-MSG Message Text
- https://docs.microsoft.com/en-us/sql/ssms/agent/usetokens-in-job-steps?view=sql-server-ver15

# THE AGENT TOKENS - ENABLE



# THE ALERT RESPONSE

The Response Calls a SQL Agent Job



## THE SQL AGENT JOB

- Has No Schedule: called from the Alert Response
- Passes the Alert Tokens to the Powershell script
- Job Step Type is Operating System
- Command Line:
- powershell.exe c:\psscripts\logsqlalert.ps1

```
'$(ESCAPE_SQUOTE(A-SVR))'
```

'\$(ESCAPE\_SQUOTE(A-DBN))'

'\$(ESCAPE\_SQUOTE(A-ERR))'

'\$(ESCAPE\_SQUOTE(A-SEV))'

'\$(ESCAPE\_SQUOTE(A-MSG))'



- Short and Quick
- Adds the passed-in Tokens via SQL INSERT



- Visual Summary with Charts
- Detail Report with Search Parameters
- Security-Only Digest Sent to Security Officer Daily



