



Azure Automation

— created by Mike Wood —

<http://mvwood.com>
@mikewo on Twitter
mwood@sqlsentry.com





CHEF



PUPPET



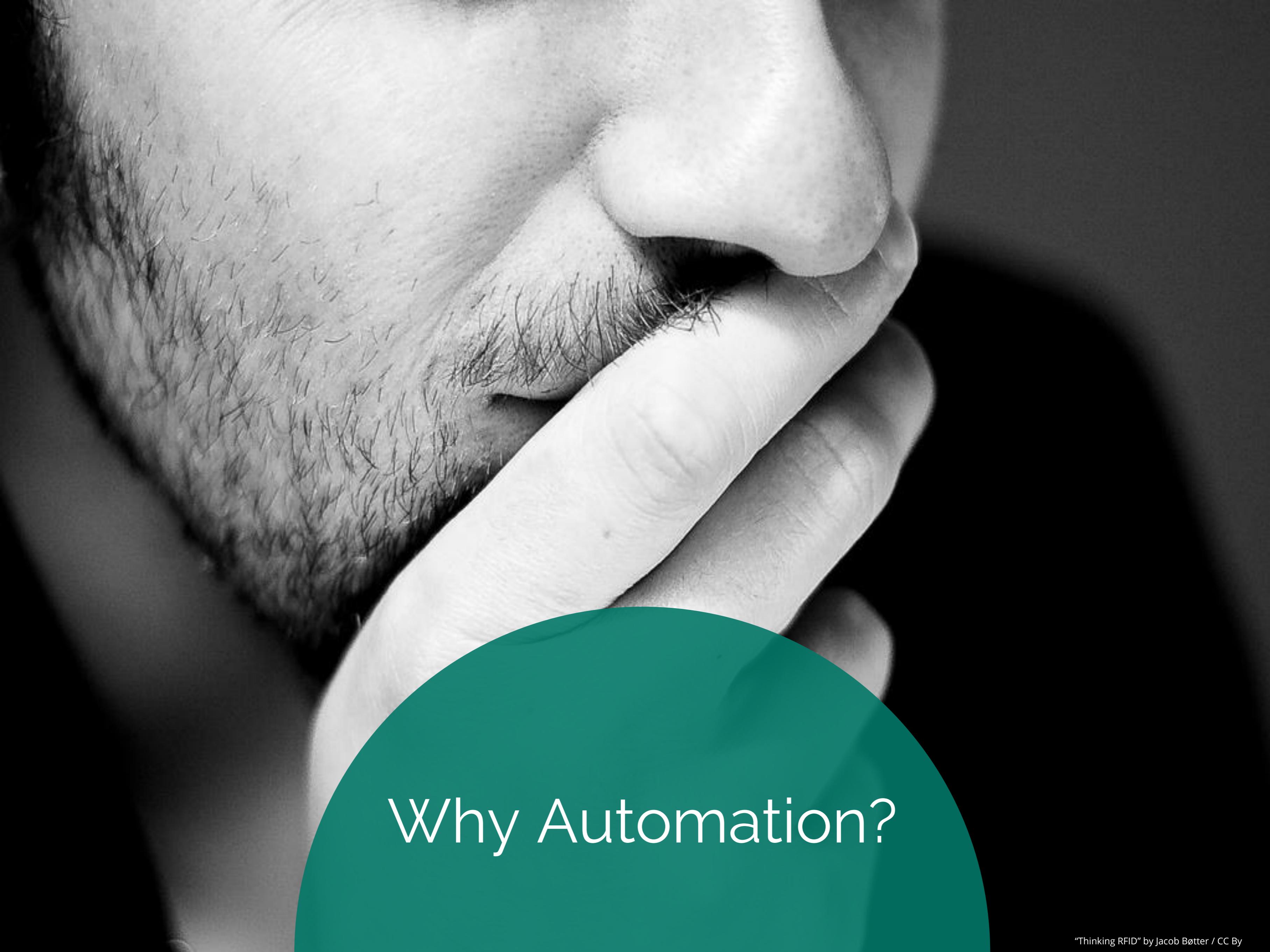
POWERSHELL DSC



AZURE RESOURCE MANAGER

automation vs

Automation



Why Automation?

Humans Do Not Scale Well

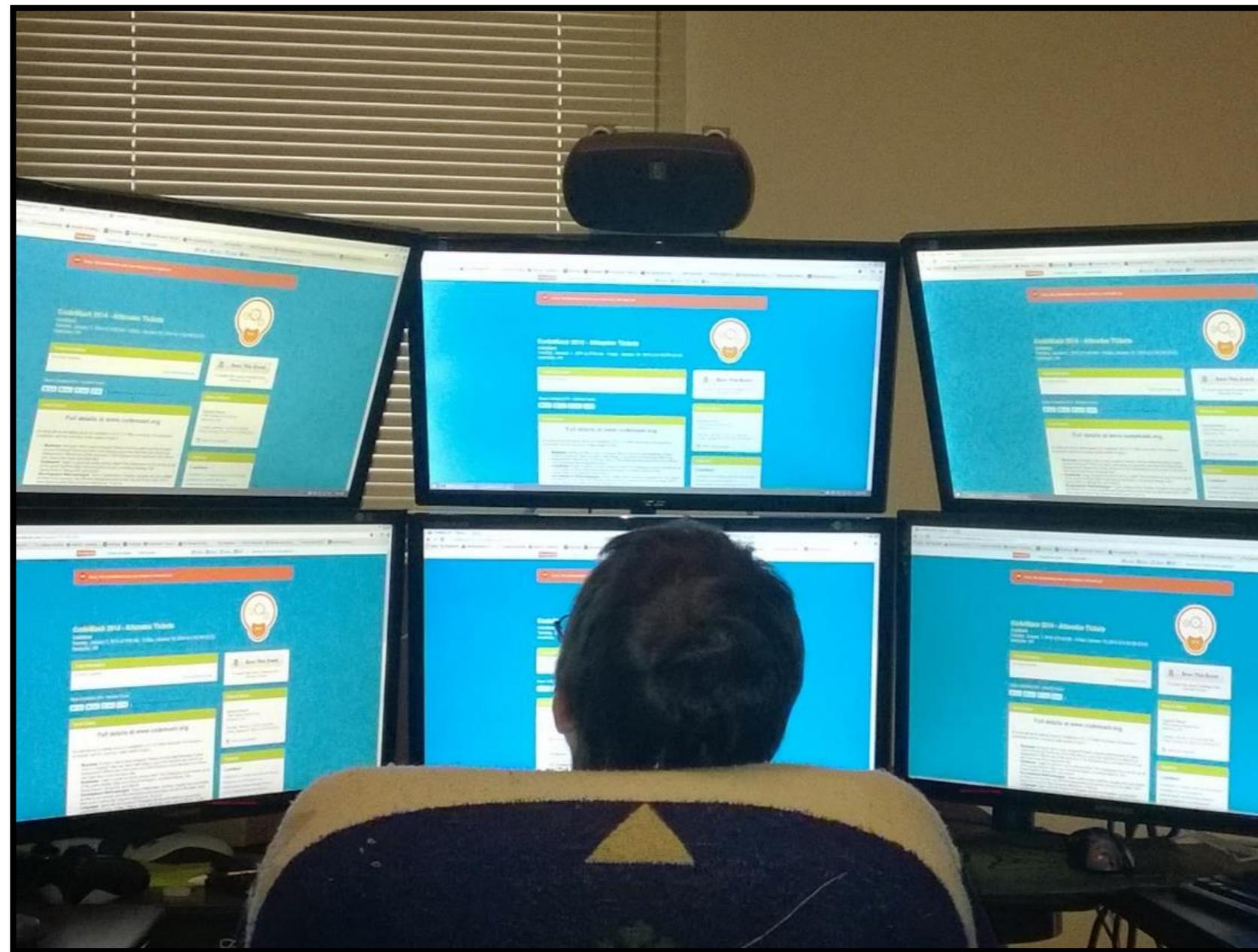


Photo by Ondrej Balas / Used with permission

Consistency Matters



“It's really hard to share a bunch of mouse clicks as repeatable process.”

- Jeffrey Snover, Arrested DevOps Podcast, Feb 12th, 2015

Be Prepared

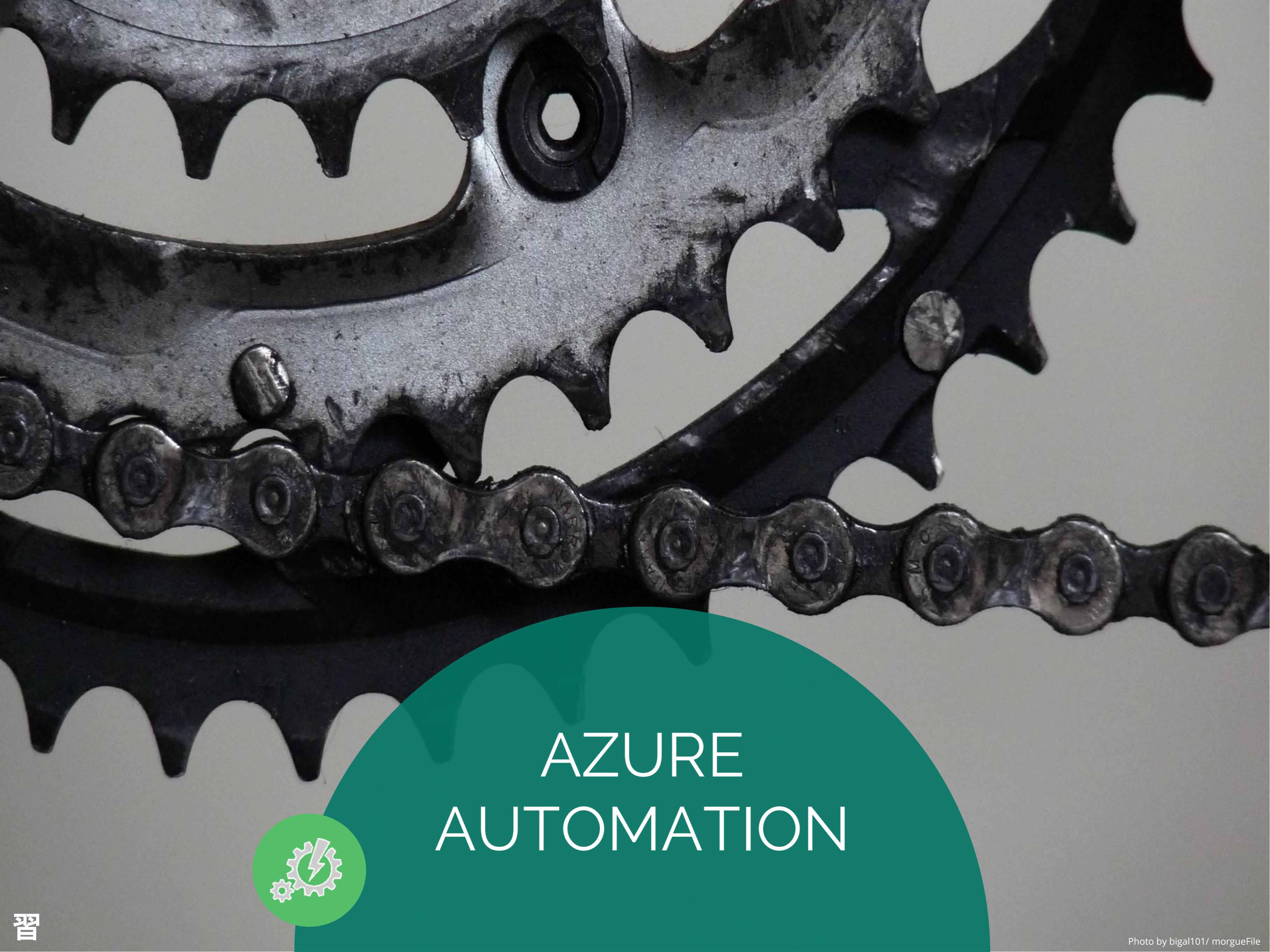


"Boy Scout Flag Salute at Gerald R. Ford Museum" by Steven Depolo / CC By



Tony Carter

“ The GUI makes
you weak. ”



AZURE AUTOMATION





Azure Automation

Multiple Authoring Types

PowerShell

PowerShell Workflow

Graphical Runbooks

Centralized Store

Shared values

Scheduling

Credentials

Modules

Highly Available

Cloud execution

API for Management

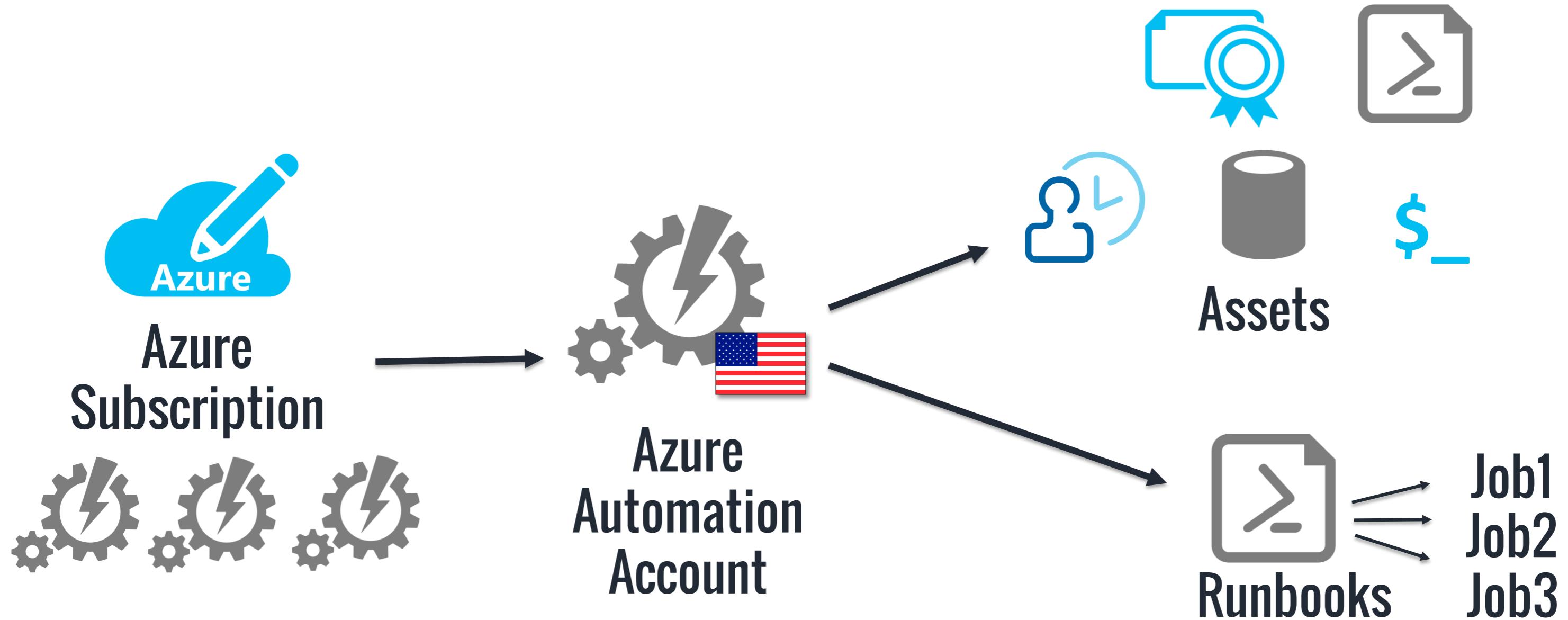
Data stored for HA

Execution History

Job history

Reportable

DEFINITIONS ////



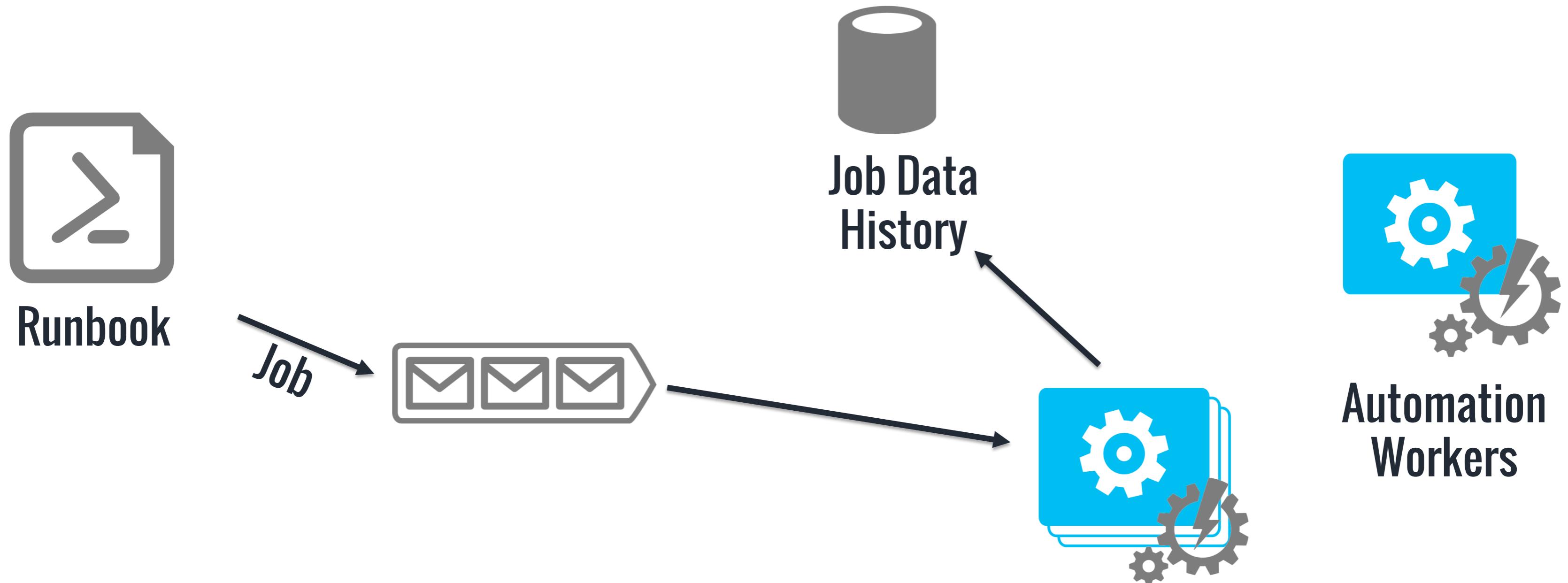
SECURITY ////



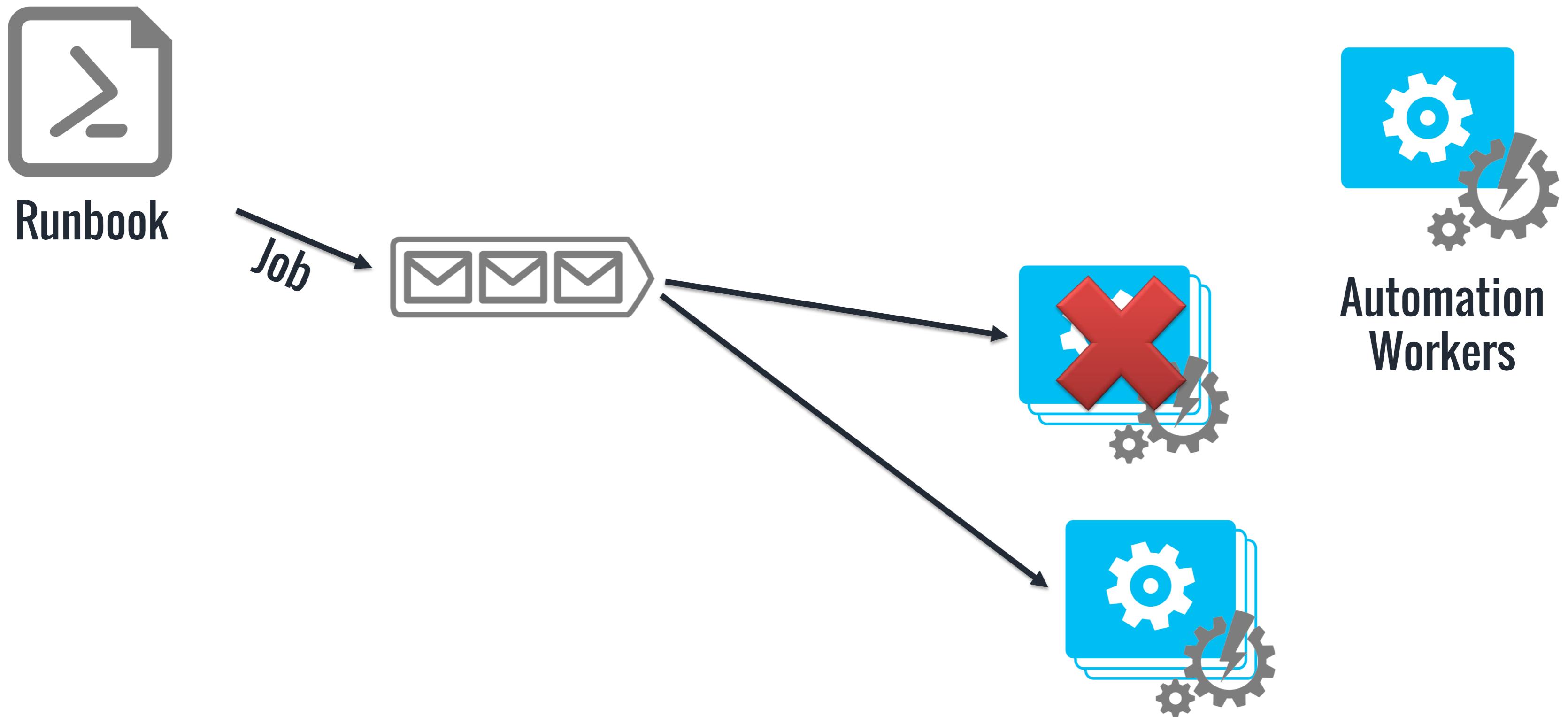


SCHEDULE OPTIONS

EXECUTING JOBS ////



HIGH AVAILABILITY ////



///SUSPENSION & RESUMING



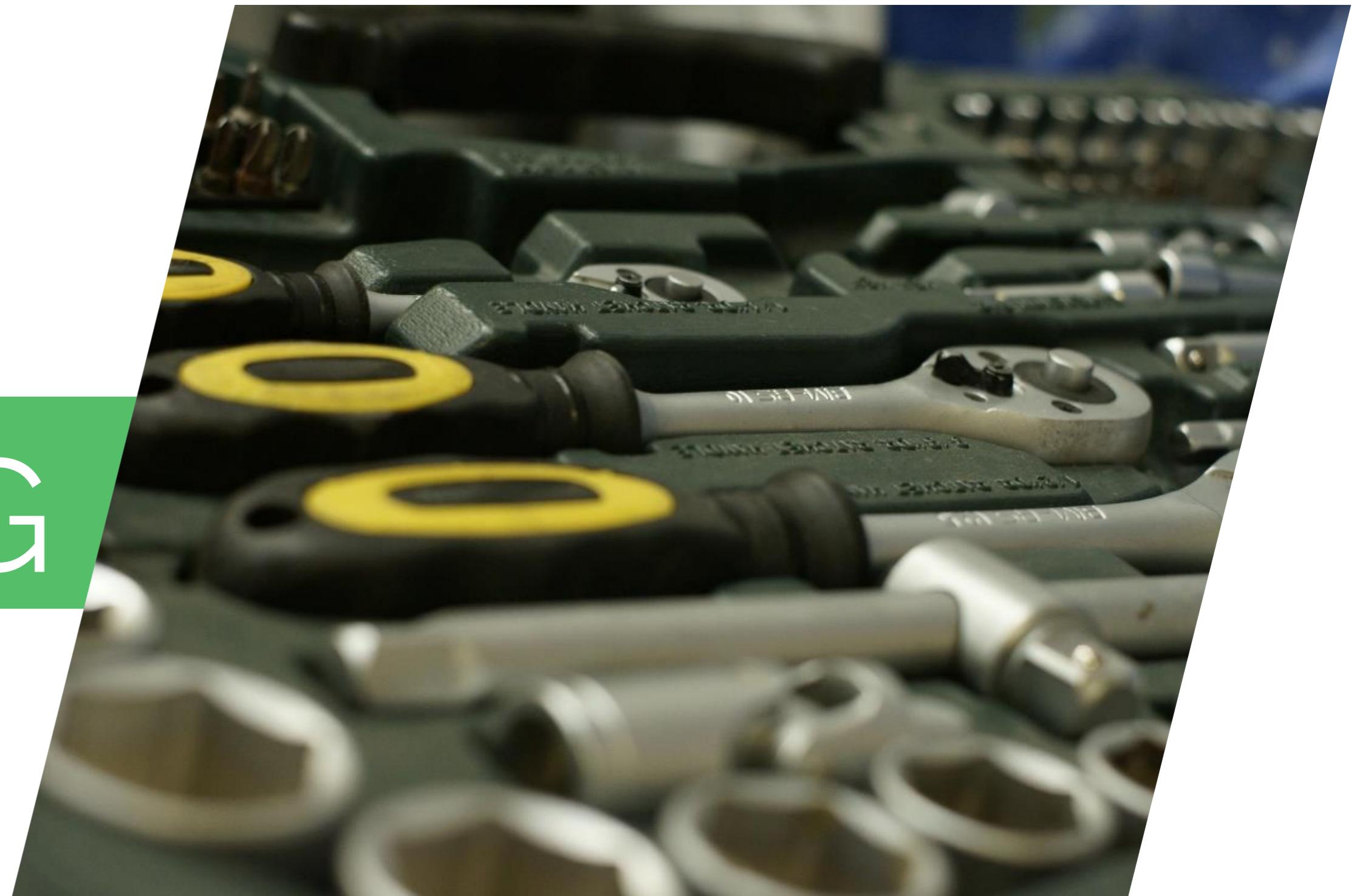


SCENARIOS

Run Hybrid



DATA MAINT? PATCHING



SCALE TO
ZERO



MONITOR REACT

Azure Alerts & Webhooks



DISASTER RECOVERY





WRAPPING UP





Automate!!

Humans Don't Scale Well
Consistency Matters
Be Prepared

BE CAUTIOUS



Thank You

Mike Wood

mwood@sqlsentry.com

mvwood.com

@mikewo