Lab 2

Data Ingestion using Beats, Sysmon and MITRE ATT&CK™ configs



Setup Strigo

Your Training Environment

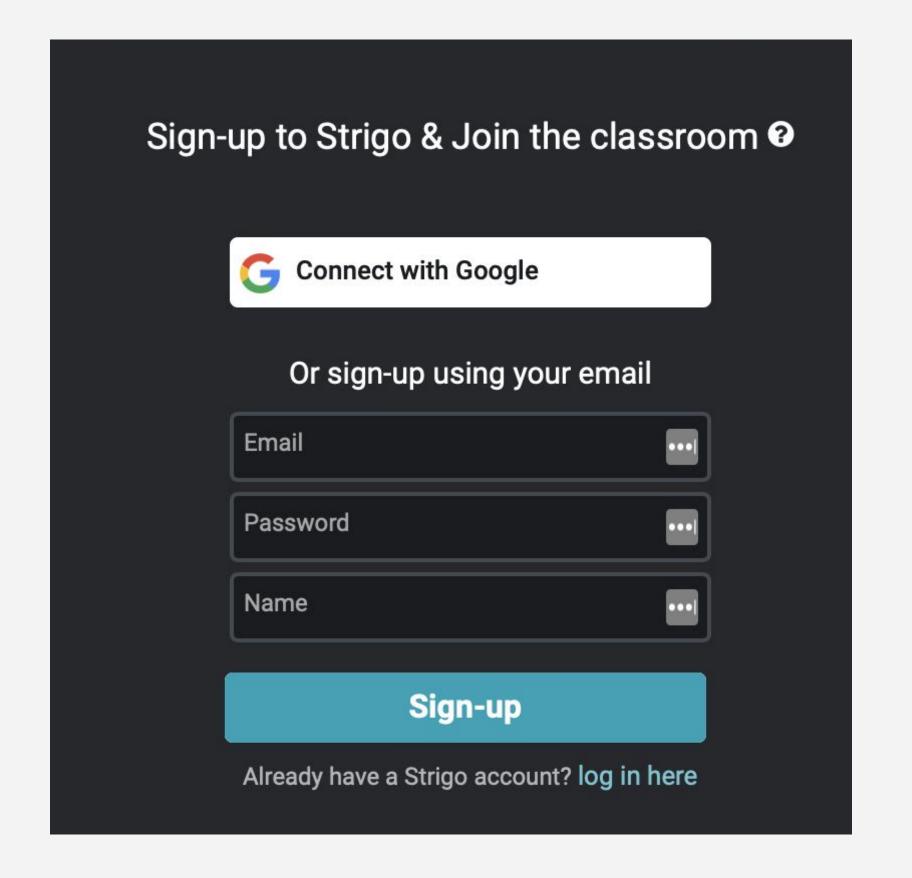
Class URL:

https://ela.st/elastic-siem-den-lab

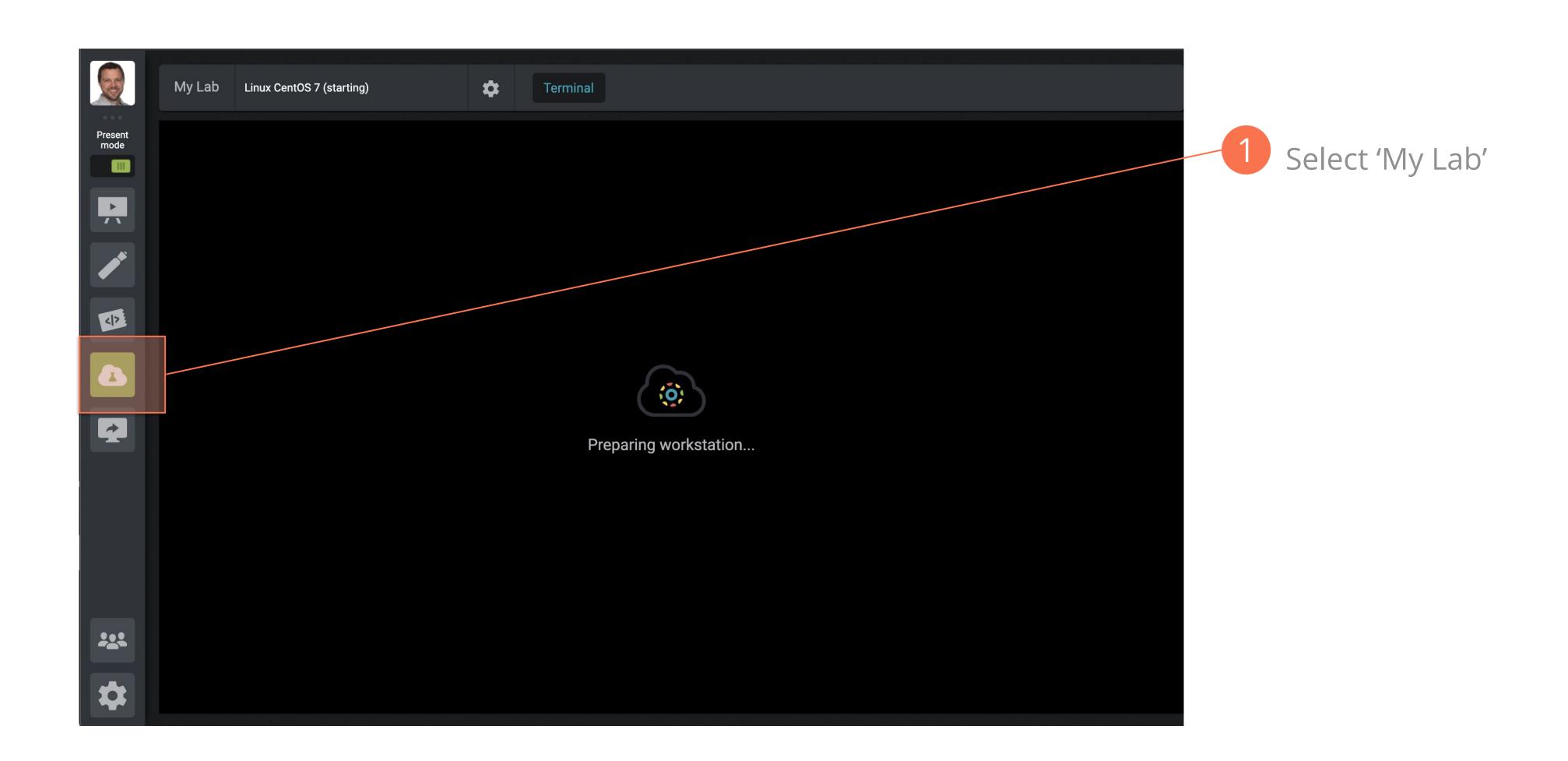
Access Token:

4VML

Lab environment will stay active until 5:00PM MDT

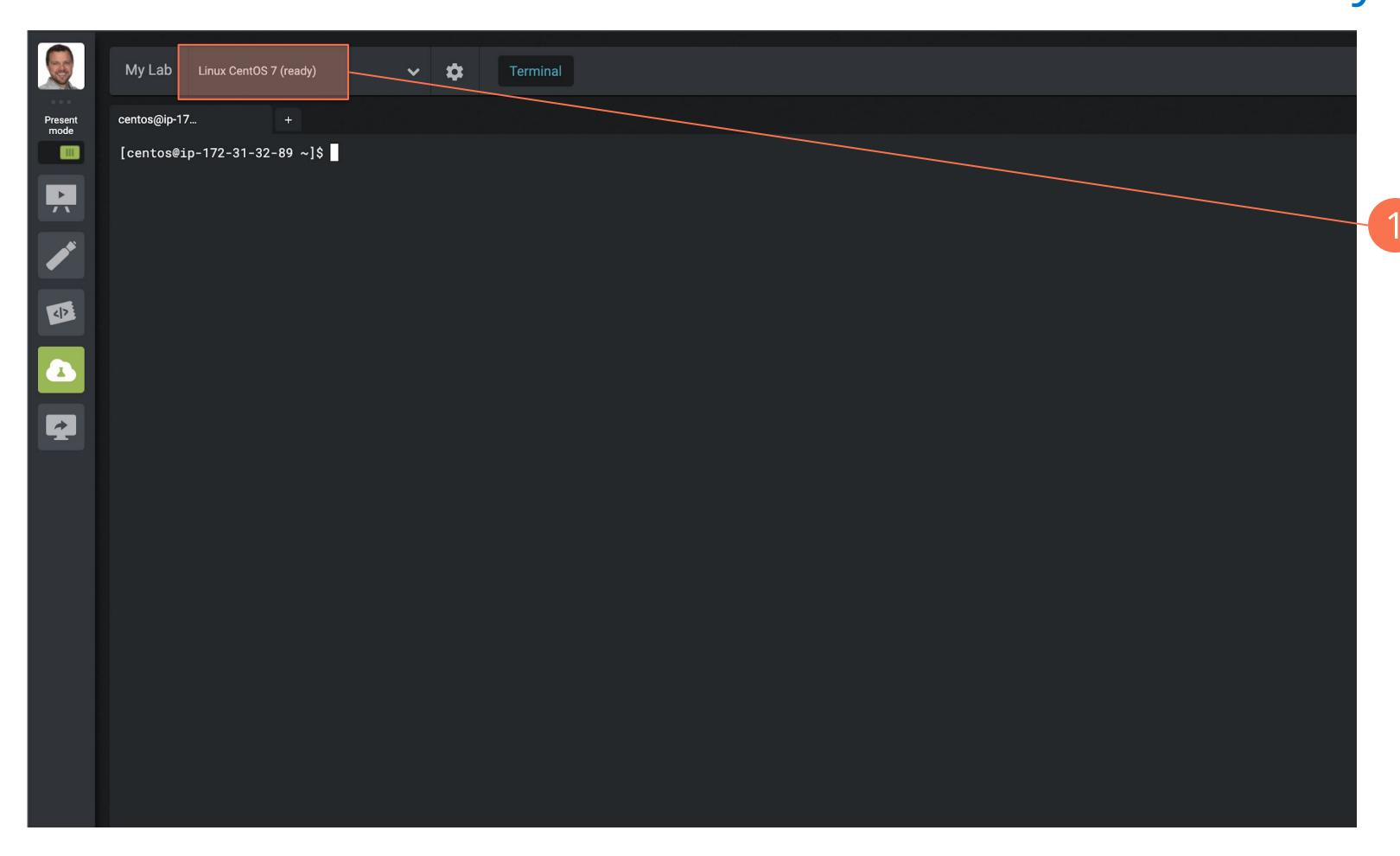


Access "My Lab" (it will take a few minutes)





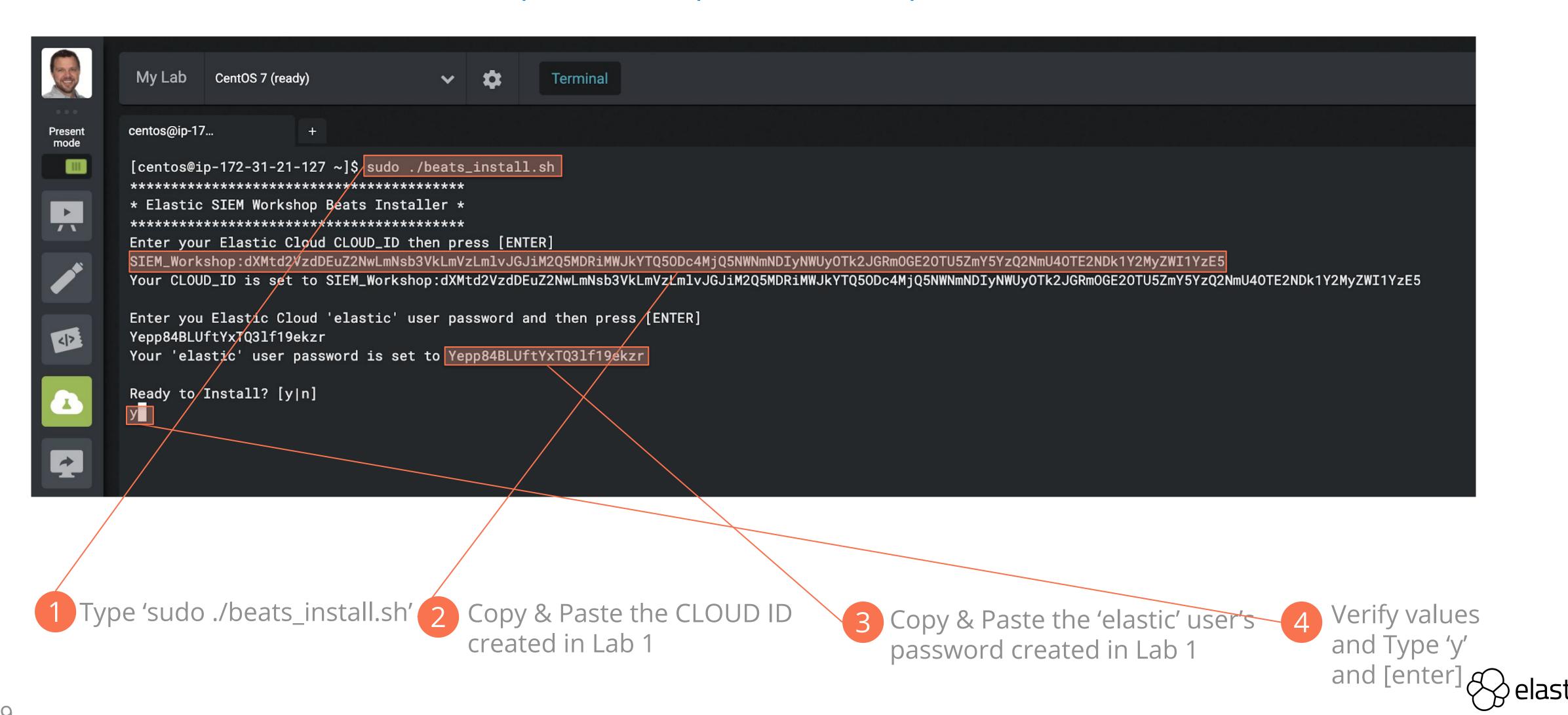
You will see a CentOS Terminal when Lab Instance is Ready



After a few minutes, a CentOS Linux instance should be available under 'My Lab'



Installation of MetricBeat, Filebeat, AuditBeat, Heartbeat and PacketBeat



Installation of MetricBeat, Filebeat, AuditBeat, Heartbeat and PacketBeat

For each Elastic Beat, if the installation and communication with your Elastic Cloud Cluster are successful, you should see a message like this:

```
elasticsearch: https://bb3d904b1bda498782495cf4225e2996.us-west1.gcp.cloud.es.io:443...
    parse url... OK
    connection...
    parse host... OK
    dns lookup... OK
    addresses: 35.199.170.84
    dial up... OK

TLS...
    security: server's certificate chain verification is enabled
    handshake... OK
    TLS version: TLSv1.2
    dial up... OK
    talk to server... OK
    version: 7.3.1
filebeat setup complete
```



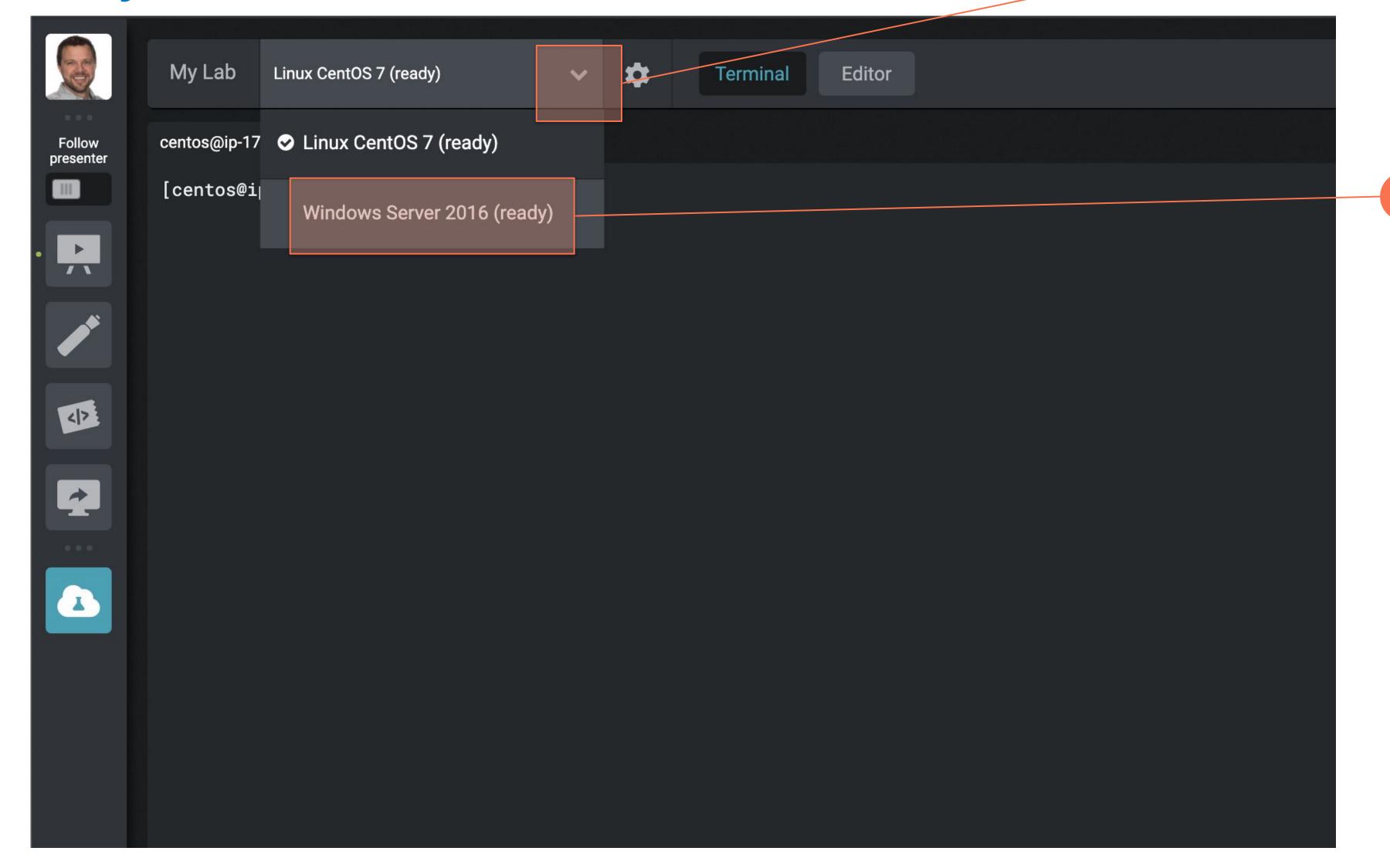
Windows Beats Scripted Install

Access your Windows Server 2016 Instance

Select the arrow next to 'My Lab'

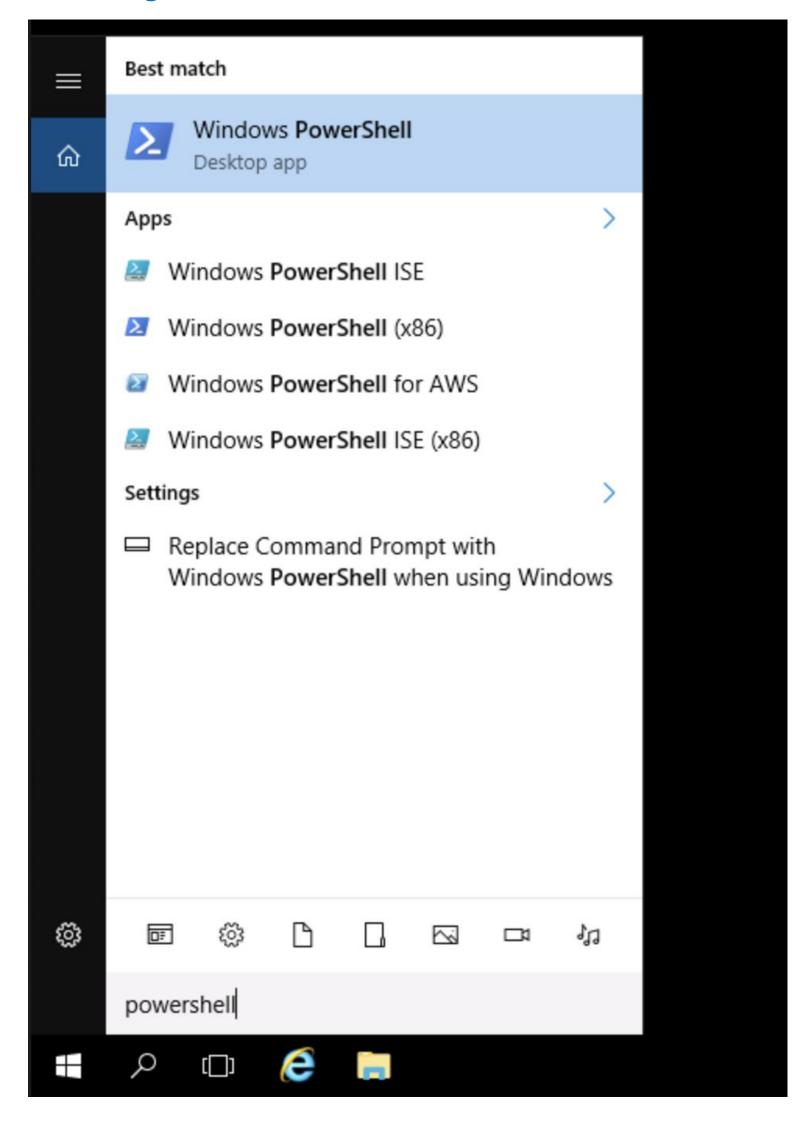
2016'

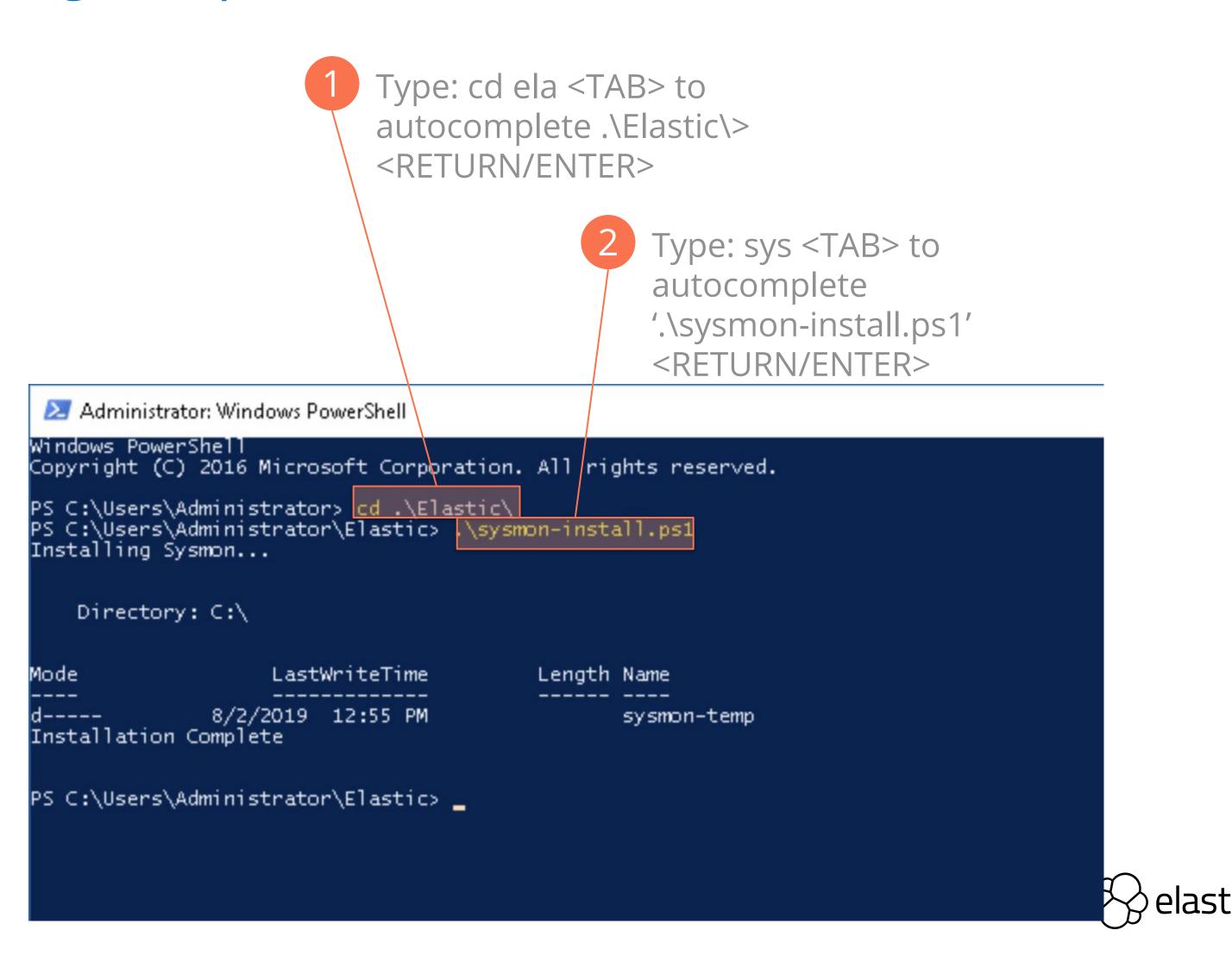
Select 'Windows Server



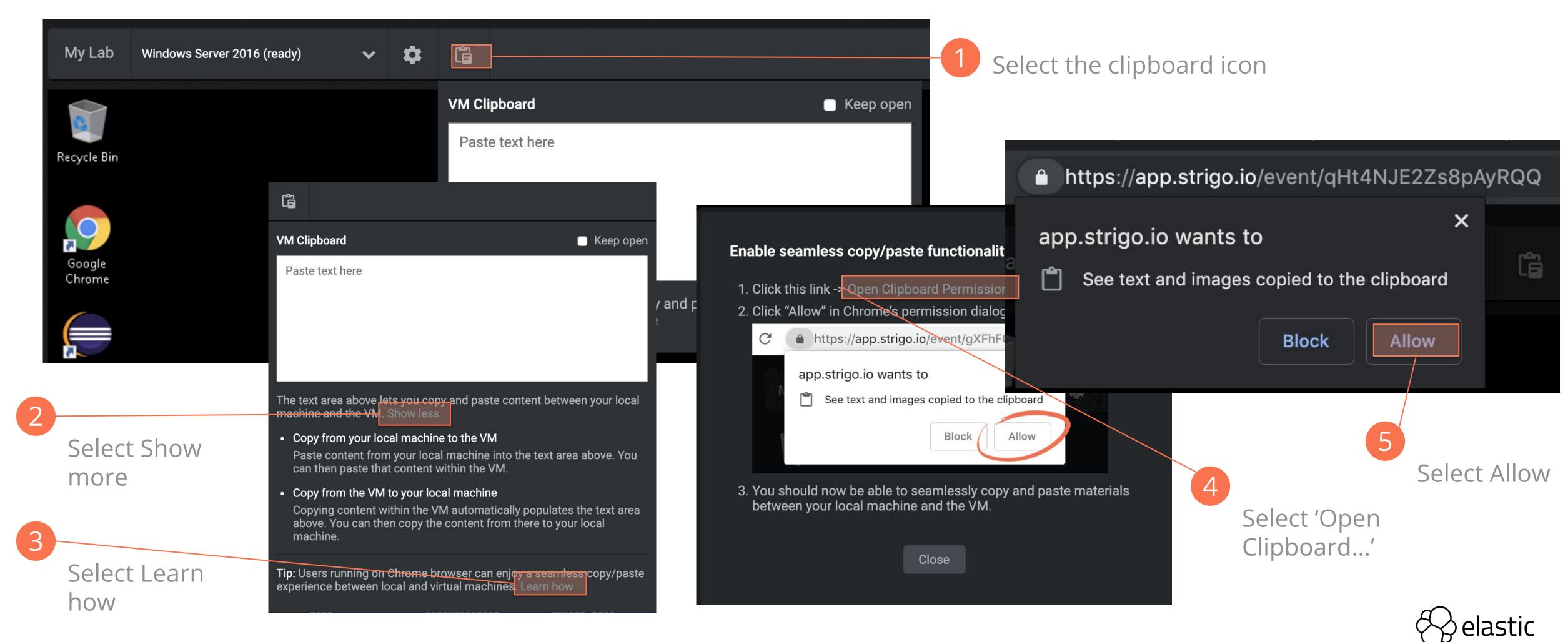


Install Sysmon with Custom Config Template

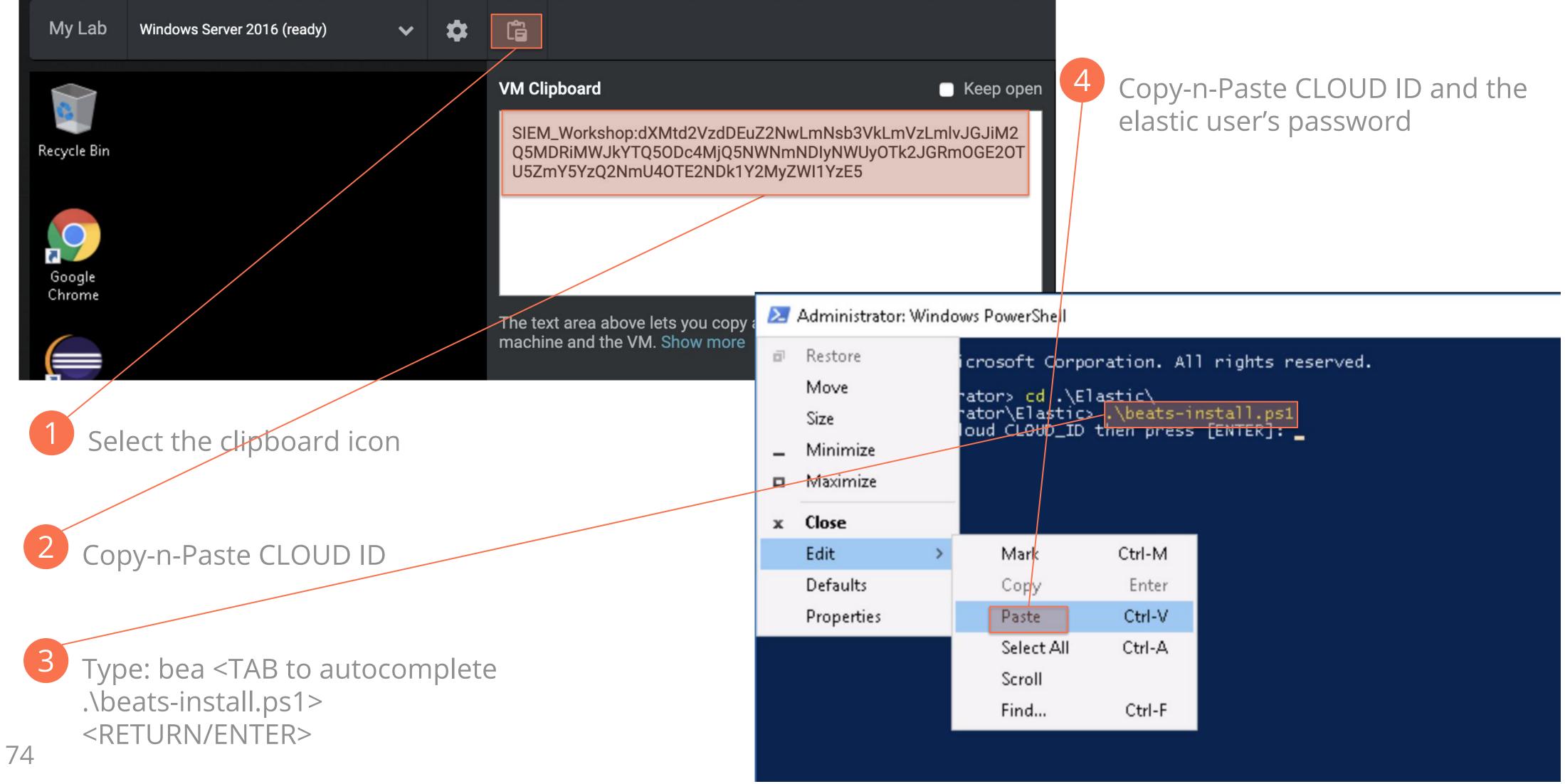




Seamless Clipboard Access using Google Chrome



You must use the Strigo VM Clipboard to Copy Text to the Instance





Winlogbeat & Metricbeat Installation

```
Administrator: Windows PowerShell
PS C:\Users\Administrator\Elastic> .\beats-install.ps1
Enter your Elastic Cloud CLOUD_ID then press [ENTER]: SIEM_Workshop:dXMtd2VzdDEuZ2NwLmNsb3VkLmVzLmlvJGJiM2Q5MDRiMWJkYTQ50Dc4MjQ5NWNmNDI
yNWUy0Tk2JGRm0GE20TU5ZmY5YzQ2NmU40TE2NDk1Y2MyZWI1YzE5
Your CLOUD_ID is set to: SIEM_Workshop:dXMtd2VzdDEuZ2NwLmNsb3VkLmVzLmlvJGJiM2Q5MDRiMWJkYTQ50Dc4MjQ5NWNmNDIyNWUy0Tk2JGRm0GE20TU5ZmY5YzQ2
NmU40TE2NDk1Y2MyZWI1YzE5
Enter you Elastic Cloud 'elastic' user password and then press [ENTER]: Yepp84BLUftYxTQ3lf19ekzr
You elastic password is set to: Yepp84BLUftYxTQ3lf19ekzr
Ready to Install? [Y|N]: y_
```



What does it mean to install a Beat?

i.e., What did the installation scripts do?

- Download and install the Beat artifact (e.g., yum, or from elastic.co)
- Update the configuration files (e.g., filebeat.yml, auditbeat.yml, etc.)
- Create a keystore and add CLOUD_ID and CLOUD_AUTH
- Perform the Beat setup to push content to Elasticsearch and Kibana

Loading dashboards (Kibana must be running and reachable) Loaded dashboards Loaded machine learning job configurations Loaded Ingest pipelines

Start the Beat service



ATT&CKTM Beats Community

ATT&CK™ Configs Thanks to the Community

olafhartong / sysmon-modular

bfuzzy / auditd-attack

