





Orbital Endpoint Search

Real Time Investigation on the Endpoint Endpoint Investigation with Orbital on Secure Endpoint

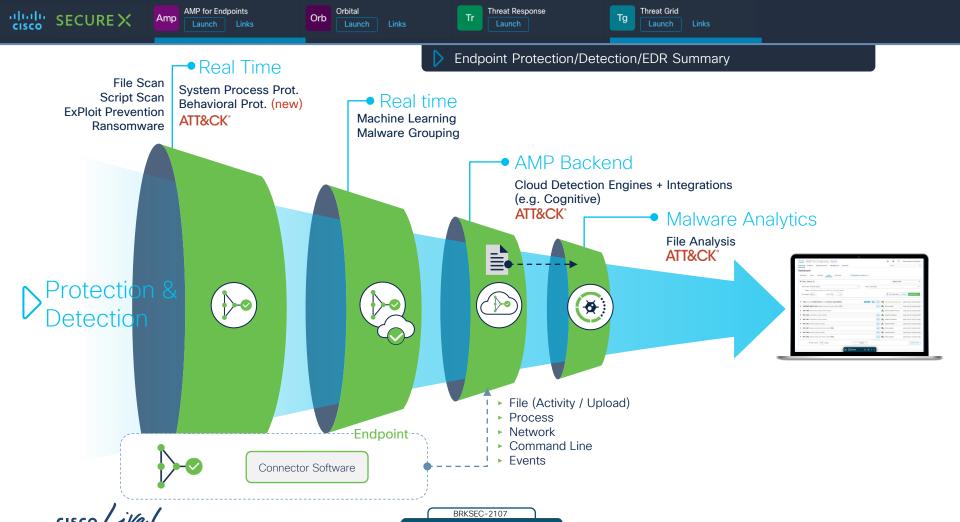
Thorsten Schranz, Technical Marketing Engineer – Secure Endpoint BRKSEC-2107





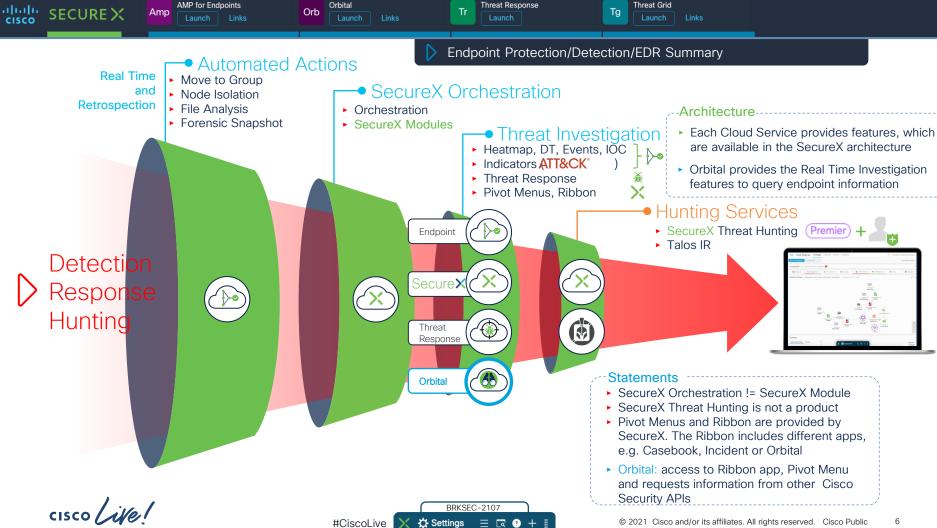
Agenda

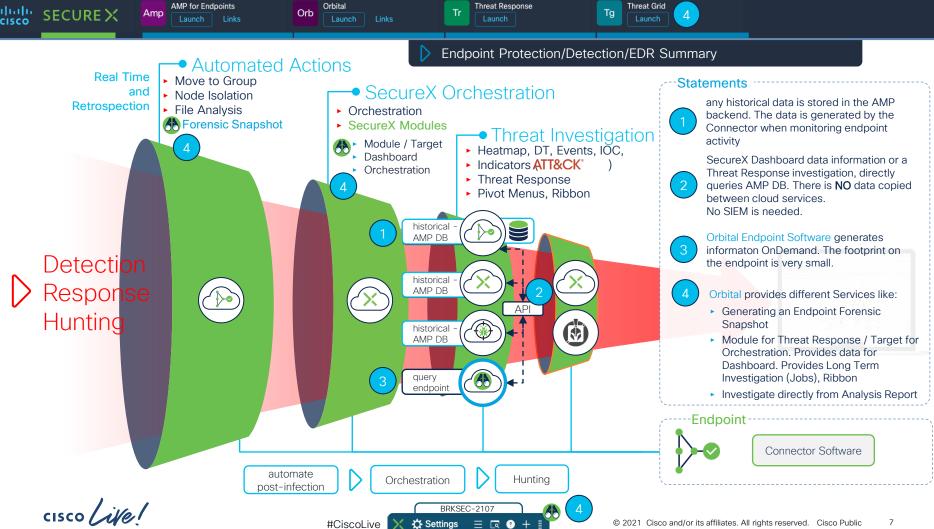
- Cisco Secure Endpoint Summary
- How orbital extends SecureX Architecture
- Enable / Deploy Orbital
- Problems solved
 - How Orbital works
 - Query (SQL) → Sequence
- Demo

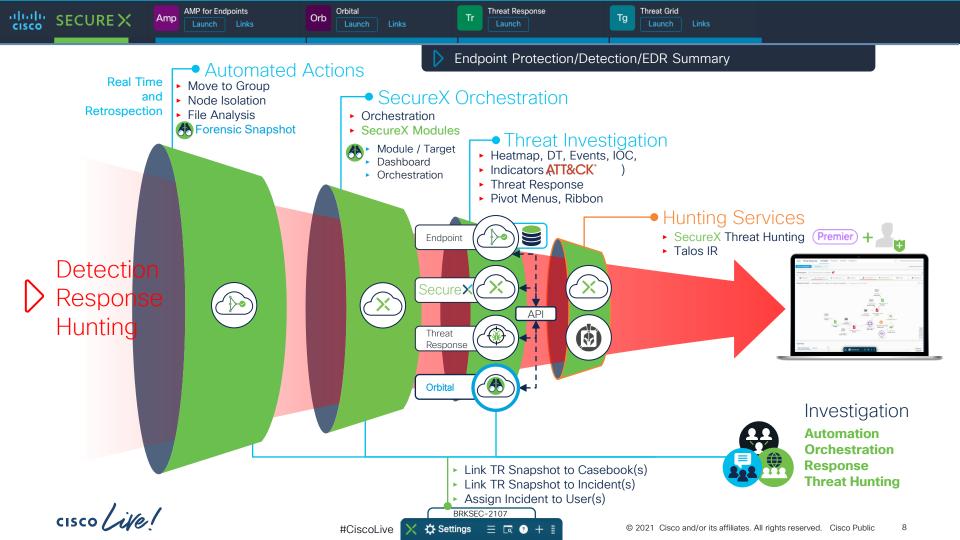


= □ 😲 + 🖁

#CiscoLive X ☆ Settings







It is important to see Orbital not as a point of product, it is an important part of the SecureX architecture



Activate Orbital



















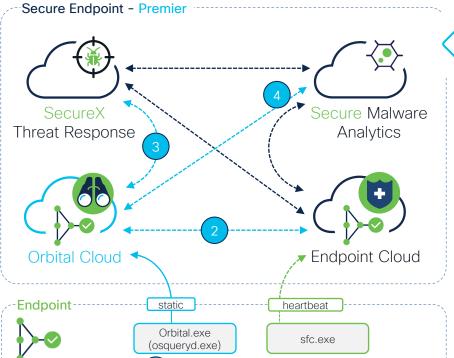
SecureX Getting Started Guide



Endpoints Package Comparison

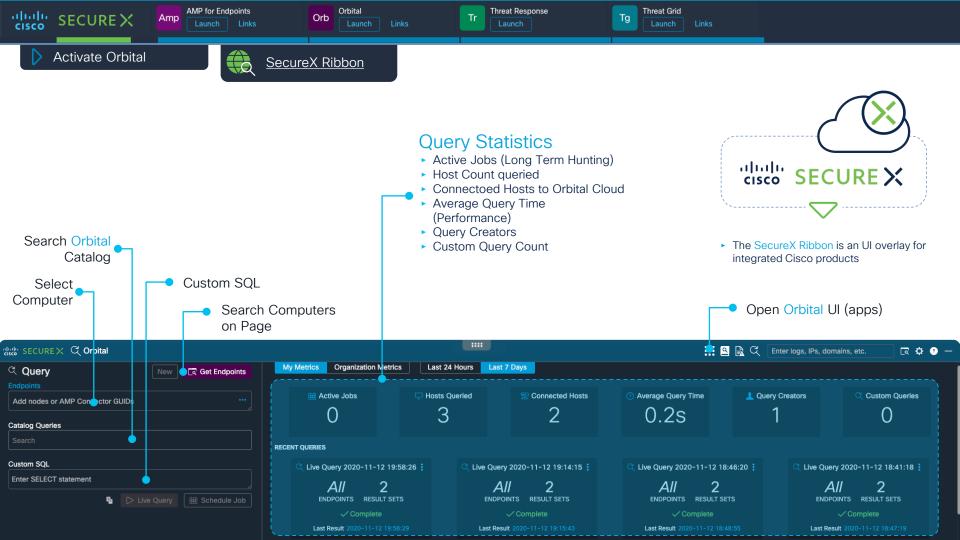
License Essential Advantage Premier Orbital Enhancements

- Dashboard Tiles
- Orbital Status in the Ribbon
- Start a Query from Ribbon
- Open and login using SSO
- Orchestration
- Forensic Snapshot
 - Start Real Time investigation
 - Deployment
- 3 ► Start Real Time investigation
- 4 ► Verify Behaviour Indicators
 - Only show Indicators with Orbital queries





- Activate SecureX in any way
- ► Check your license
- Login to Orbital UI
- Deploy Orbital



















SecureX Integration Partners

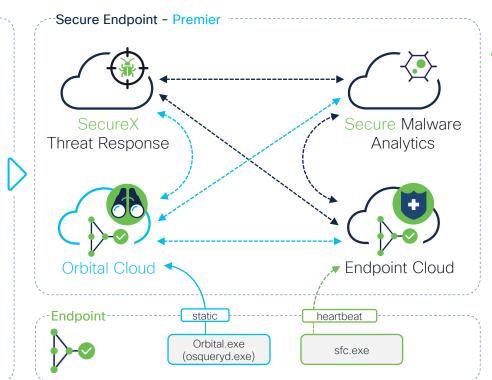


Serverless Relay Step-by-Step Guide

-3rd Party Vendor list-

SecureX Integrations

- Abuse IPDB
- AlienValult OTX
- APIVoid
- CyberCrime Tracker*
- Cyberprotect Threatscore
- Farsight Security
- Google Chronicle
- Google Safe Browsing
- Google VirusTotal
- · Have I Been Pwned
- Microsoft Graph Security
- Pulsedive
- SecurityTrails
- See One Feed App
- Shodan
- SpyCloud
- urlscan.io
- Gigamon ThreatINSIGHT
- Qualys IOC
- Radware WAF and DDoS
- Signal Sciences
- Threat Score







3rd Party vendor

- Configure 3rd Party Modules
- marked integrations provide a free to use community version
- Serverless Relays "translate" information between Cisco and other vendors

















- SecureX Integrations
- SecureX Orchestration

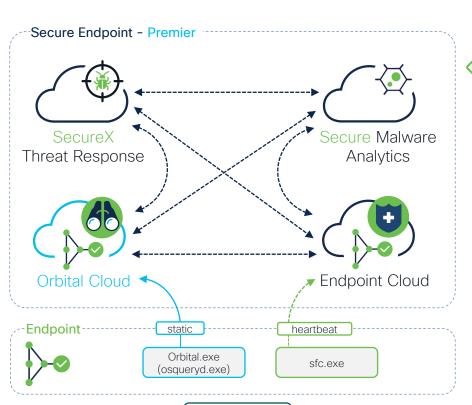


Move Computer to AMP Triage Group

AMP Host Isolation with Tier 2
Approval

Take Forensic Snapshot and Isolate

Take Orbital Forensic Snapshot

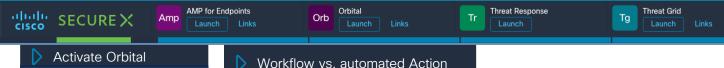


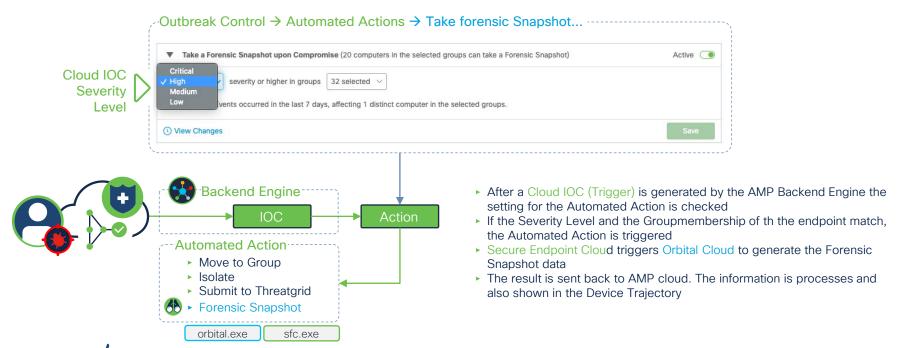


 Activate the pre-defined Workflows

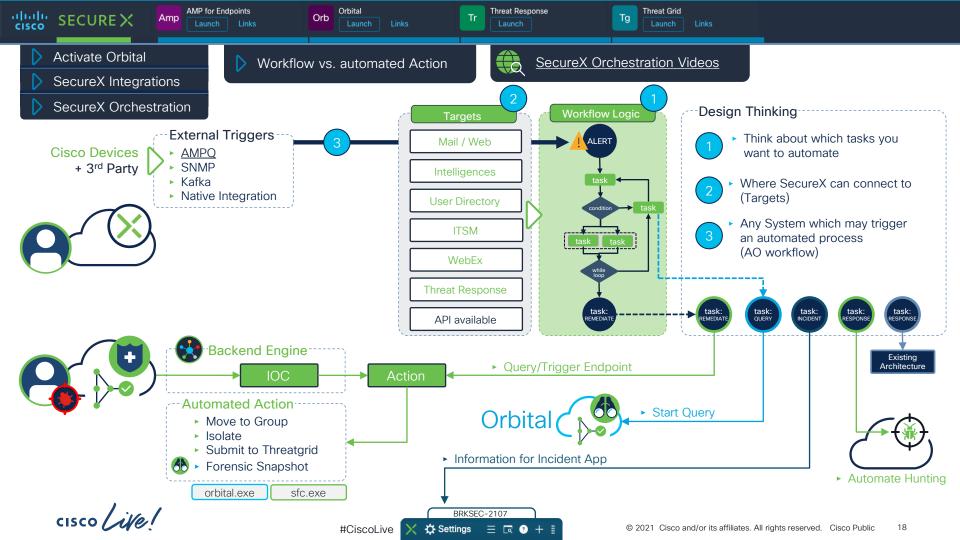


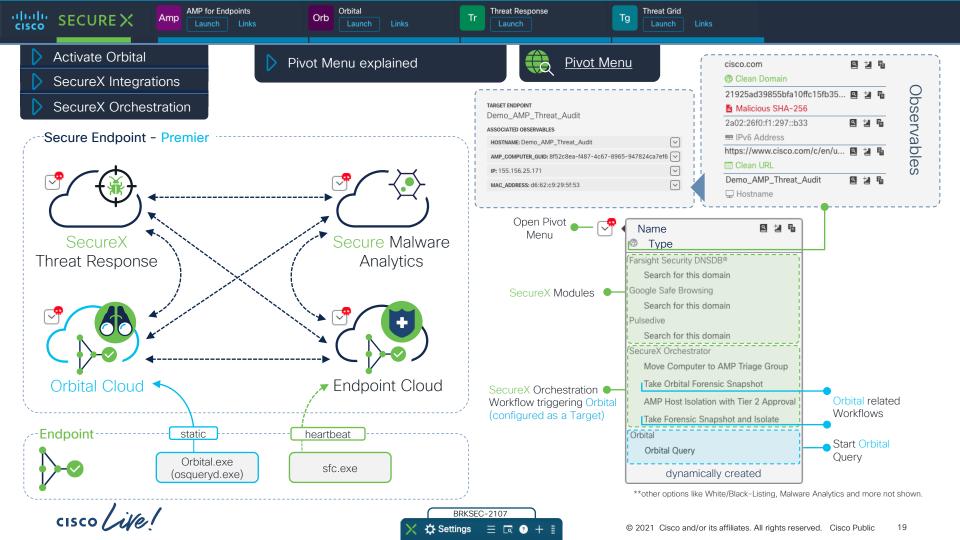






SecureX Integrations
SecureX Orchestration





Problems solved



cisco Live









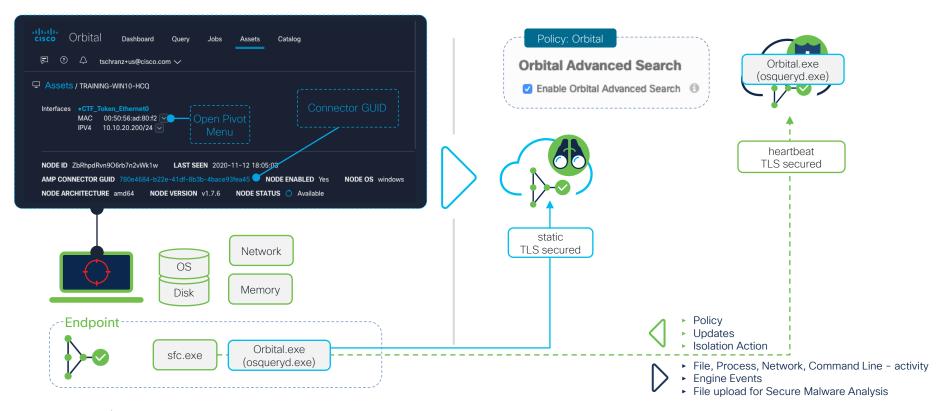




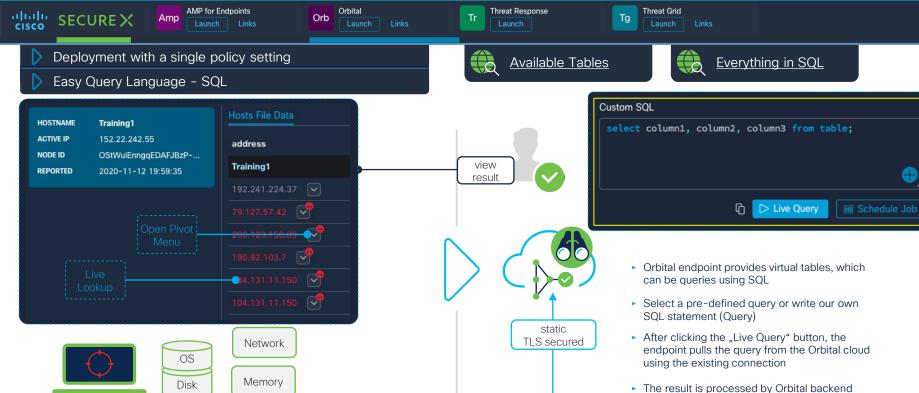
Deployment with a single policy setting



Deployment Strategy Guide







cisco life!

Endpoint

> Live Query

virtual table(s)

Orbital.exe

(osqueryd.exe)

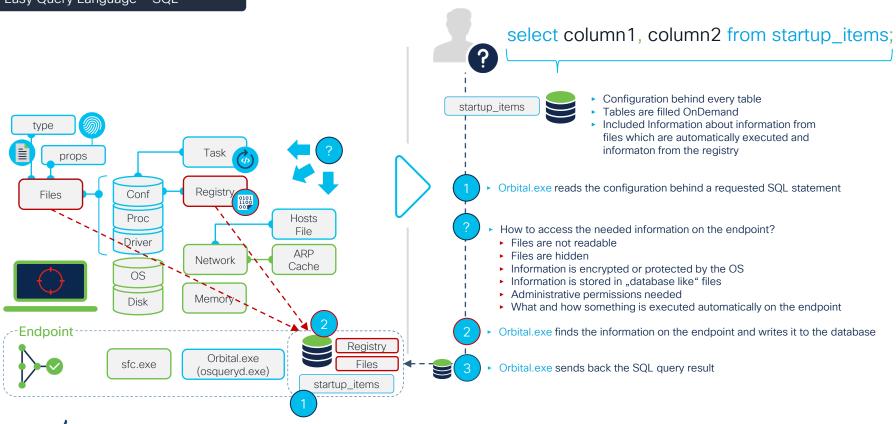
sfc.exe

The Orbital result shows the Pivot Menu and data is enriched using Cisco Security APIs.



- Deployment with a single policy setting
- Easy Query Language SQL

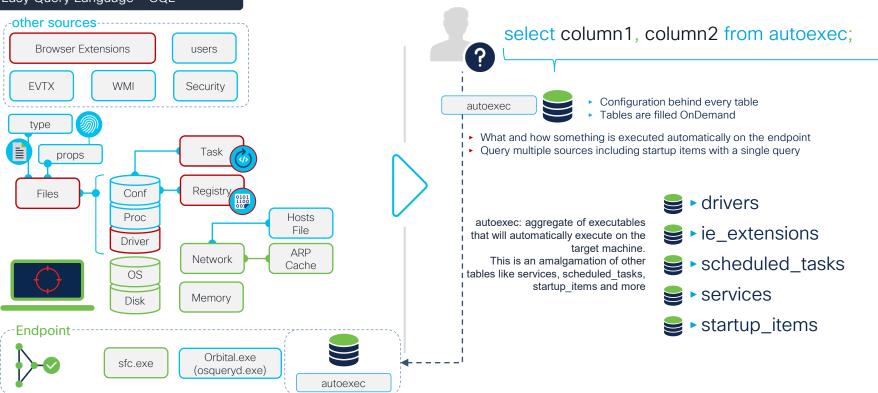
Endpoint Information Lookup





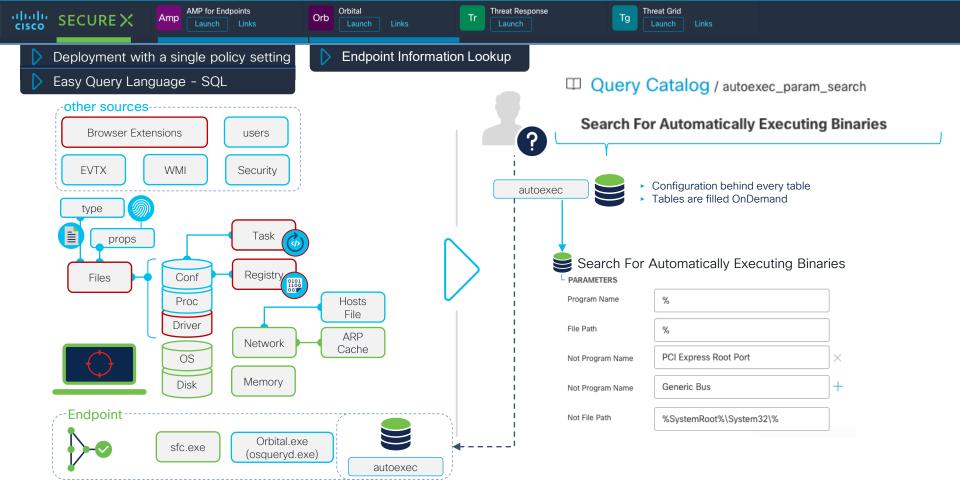
- Deployment with a single policy setting
 - Easy Query Language SQL

Endpoint Information Lookup



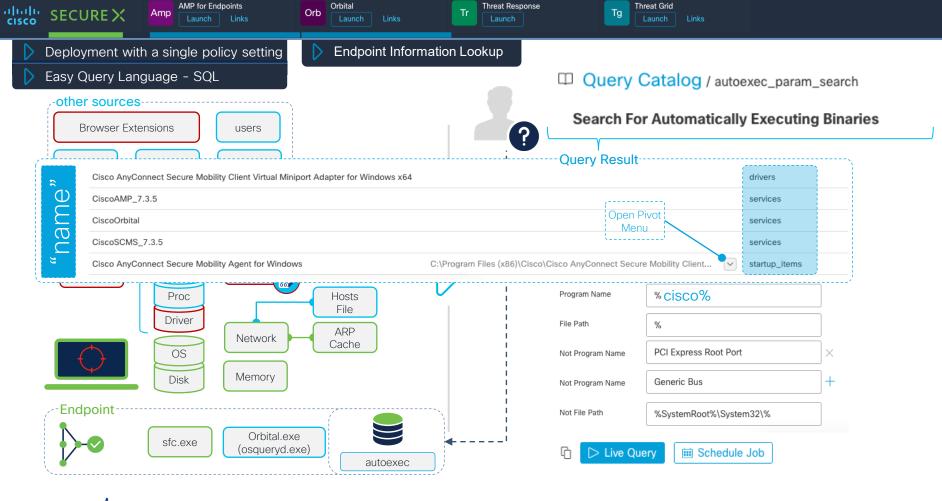


















Easy Query Language - SQL

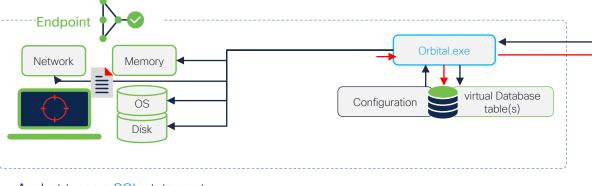


Application Steins
 LLMNR Monitoring
 Low Privilege File
 Associations
 Malware Trickbot Mutex
 Parent Process not Explorer
 Unusual Sychost Parent

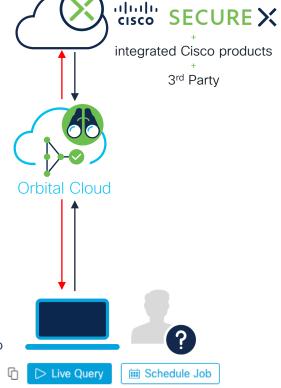
Process_

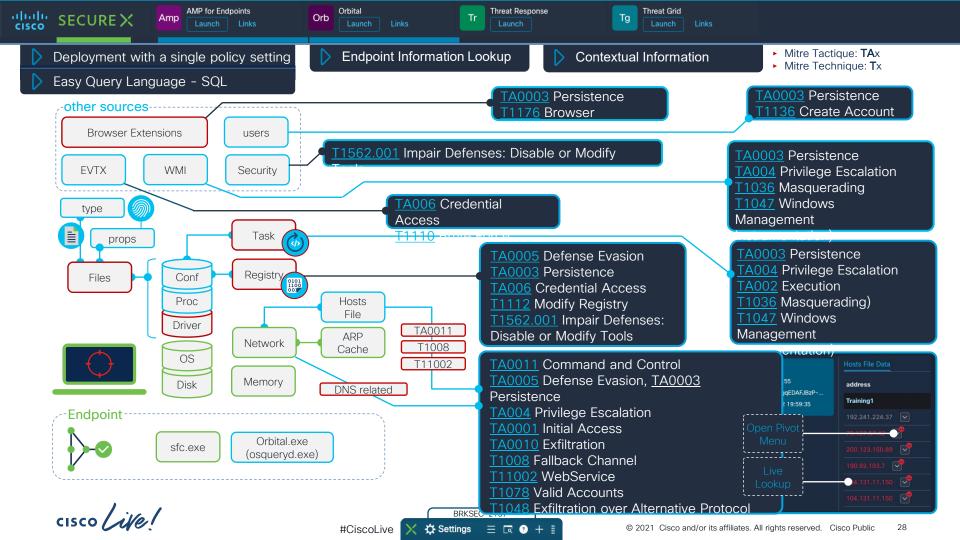
 Select culumn1, column2 from Orbital_SQ_Table;

Custom Query



- Analyst types a SQL statement
- Orbital Cloud gets triggered by a SecureX integrated product or during an Orchestration Workflow
- Orbital.exe generates an empthy virtual table and looks at the configuration behind
- Orbital.exe queries the right information from several sources from the endpoint
- The information is written to the virtual Database(ses) and the SQL statement gets executed
- Orbital Cloud provides the query result to the analyst or to integrated products





Orbital DEMO

Demo 1: The Catalog









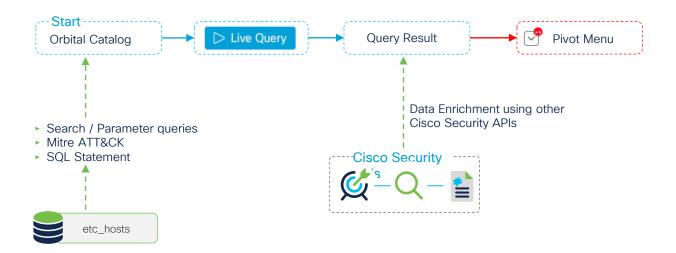






inks

using the Query Catalog





BRKSEC-2107

Demo 2: Analysis Report





cisco live!





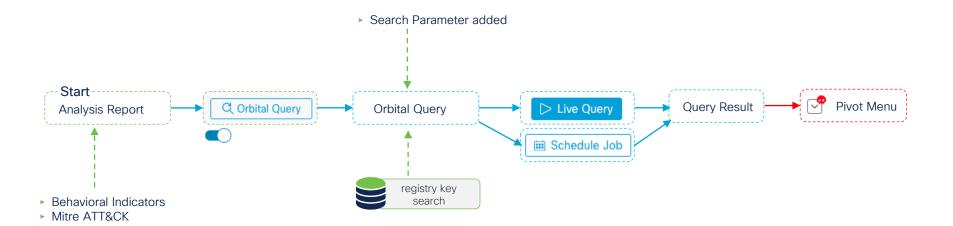








Verify Secure Malware Analytics Sample Report



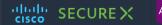


Demo 3: Endpoint IOC





cisco Live!











Threat Grid

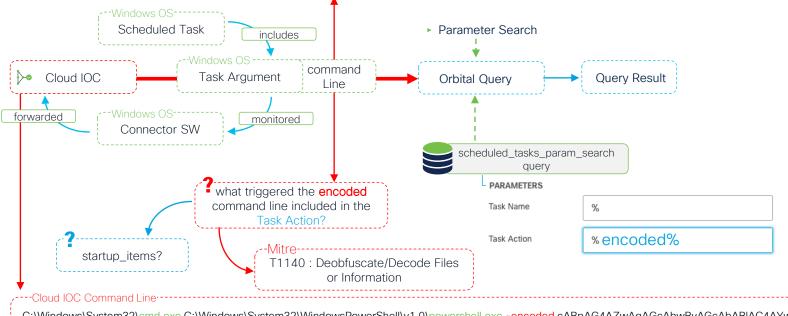
Relationship between Scheduled Task, Mitre, Cloud IOC and Orbital

Action: Start a program

Program: C:\Windows\System32\cmd.exe

Arguments: C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -encoded cABpAG4AZwAgAGcAbwBvAGcAbABIAC4AYwBvAG0A

TA0005: Defense Evasion TA0002: Execution TA0003: Persistence



C:\Windows\System32\cmd.exe C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -encoded cABpAG4AZwAgAGcAbwBvAGcAbABIAC4AYwBvAG0A (Decoded: ping google.com)



BRKSEC-2107

Demo 4: Custom Query (Memory Forensic)

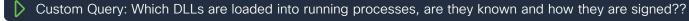


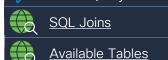


cisco live!





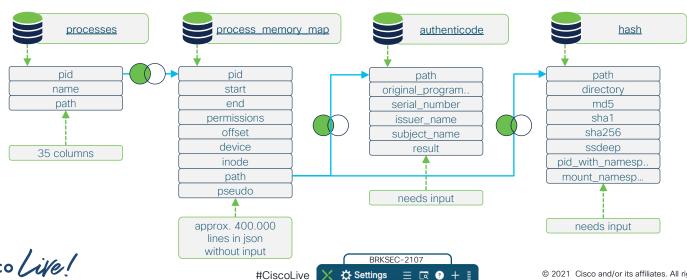


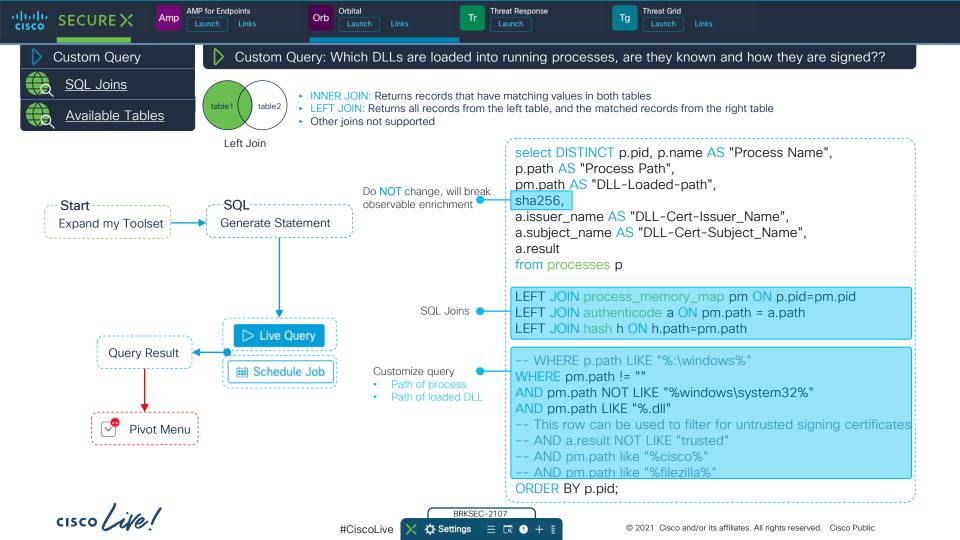


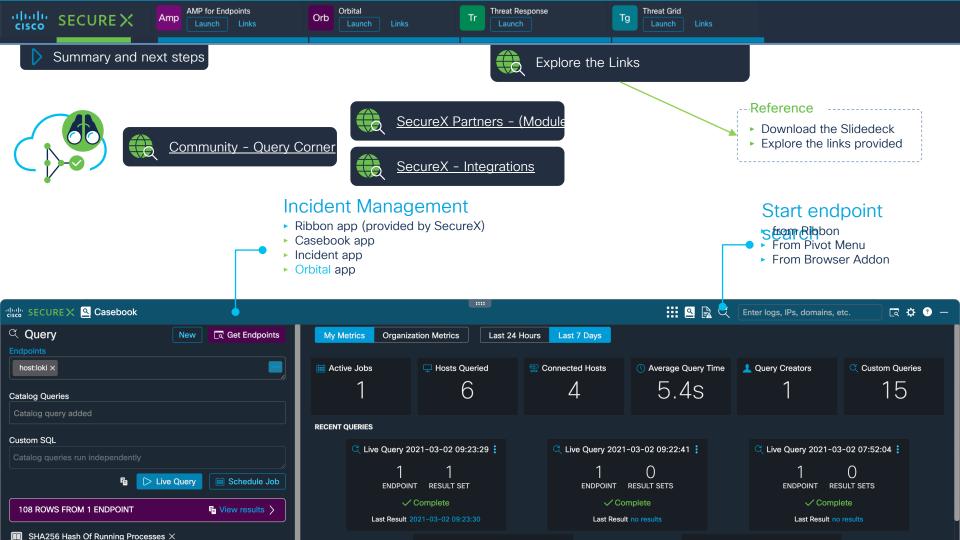


- ▶ INNER JOIN: Returns records that have matching values in both tables
- LEFT JOIN: Returns all records from the left table, and the matched records from the right table
- Other joins not supported











Thank you





