Global IT Asset Inventory

With 2-second visibility and 2-way synchronization with CMDB

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Agenda

Challenges
Use Cases
Demo
Roadmap
Q&A
Challenges
Modern IT Environments are Hybrid

Multi-Cloud
On Premise
Work Stations
Mobile Force
OT/IloT/IoT
Common Challenges

- Lack of cohesive visibility across hybrid environments.
- Many disparate, point solution tools, providing partial information.
- Lots of inefficient manual work. Data becomes out-of-date quickly.
The Nature of IT Asset Data

### High Volume
- [Image 1]

### High Velocity
- [Image 2]

### High Variance

<table>
<thead>
<tr>
<th><strong>Acquisitions</strong></th>
<th>Skype → Microsoft</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product rebranding</strong></td>
<td>Communicator → Lync → Skype for Business → Teams</td>
</tr>
<tr>
<td><strong>“A” means “B”</strong></td>
<td>lync.exe = Skype for Business</td>
</tr>
<tr>
<td><strong>Name variance</strong></td>
<td>MSFT, Microsoft Corporation, Microsoft, microsoft corp, ...</td>
</tr>
</tbody>
</table>

8 → 1 Manufacturer

20 → 1 Product
Why Global IT Asset Inventory?
## Use Cases

<table>
<thead>
<tr>
<th>Visibility</th>
<th>You can’t manage nor protect what you don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance</td>
<td>Internal and external audits (what</td>
</tr>
<tr>
<td>Security best-practices</td>
<td>Identify and track unauthorized software. Ensure software is up-to-date.</td>
</tr>
<tr>
<td>Software Asset Management</td>
<td>Owned vs. Deployed vs. Used</td>
</tr>
<tr>
<td>Enterprise Architecture</td>
<td>End-of-life application or component</td>
</tr>
</tbody>
</table>
Introducing Qualys Asset Inventory

Source of truth for IT and Security teams managing assets in hybrid environments.

Complete, continuous, structured and enriched asset inventory, that enables better business decisions.
Qualys Asset Inventory

Discovers all assets in global, hybrid infrastructure.

Asset information is normalized and categorized for hardware and software.

Enriched with metadata and indexed for 2-second visibility.

Two-way CMDB synchronization (clean and categorized asset data)
Qualys Sensors
Scalable, Self-updating & Centrally Managed

- **Physical Scanner**: Legacy data centers, Corporate infrastructure
- **Virtual Scanner**: Private cloud infrastructure, Virtualized Infrastructure
- **Cloud Scanner**: Commercial IaaS & PaaS clouds, Pre-certified in marketplace, Fully automated with API orchestration
- **Cloud Agent**: Light weight, multi-platform, On premise, elastic cloud & endpoints, Real-time data collection
- **Passive**: Passively sniffs network, Real-time device discovery & profiling, Identifies protocols & application traffic
- **API**: Public Cloud Connector, CMDB, Log, Active Directory*

Agentless + Agent Based + Passive
<table>
<thead>
<tr>
<th>Raw Data</th>
<th>Operating Systems</th>
<th>Hardware</th>
<th>Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>SunOS 5.9</td>
<td>sun4u SPARC SUNW</td>
<td>Hyperion CapPlan 6_2-p</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Sun Microsystems</th>
<th>Sun Microsystems</th>
<th>Hyperion Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Oracle</td>
<td>Oracle</td>
<td>Oracle</td>
</tr>
<tr>
<td>Product</td>
<td>Solaris</td>
<td>Sun Blade 100</td>
<td>Hyperion Capital Planning</td>
</tr>
<tr>
<td>Market Version</td>
<td>9</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>Edition</td>
<td>-</td>
<td>-</td>
<td>Professional</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Unix &gt; Server</th>
<th>Computer &gt; Server</th>
<th>Application &gt; Finance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifecycle Stage</td>
<td>EOL</td>
<td>EOS</td>
<td>EOL</td>
</tr>
<tr>
<td>End-of-Life</td>
<td>October 2011</td>
<td>August 2011</td>
<td>May 2014</td>
</tr>
<tr>
<td>License Type</td>
<td>Open Source</td>
<td>-</td>
<td>Commercial</td>
</tr>
</tbody>
</table>
Every asset is classified in meaningful functional categories, for example:

- **Devices**: Computing, Networking, and Storage—also into detailed subcategories such as Notebooks, Servers, and so on.
- **Applications**: First-level taxonomy of Database would also breakdown into more detailed subcategories, such as Relational and NoSQL databases.

Rationalize IT assets, prioritize work and gain actionable insights.

**Visualize with customizable dashboards**
Complete and clean data to your CMDB

Certified ServiceNow App Syncs asset data in both directions.
Passive Network Sensor
in Beta
Discovery & Profiling

Eliminate blind spots. Identify and profile devices as soon as they connect to the network.

Continuously enrich existing inventory with additional details in real time.

Extends discovery, for sensitive systems that may not be suited for active probing or agent.
1. Deploy a Passive Sensor (physical or virtual)

2. Mirror traffic

3. Continuously discover and profile every device with network activity
Qualys sensors for complete, detailed asset telemetry
Structuring your Hardware and Software (normalization and taxonomy)
Enriching your inventory (e.g. lifecycle)
Blind spots? (showcase passive discovery)
Roadmap
Asset Inventory

**August 2018**
Beta

**November 2018**
GA

**Q1 2019***
CMDB Sync 2.0

**Q2 2019***
Software Usage.

**Q3 2019***
Internal Lifecycle Management

**During Beta**
Improve coverage (>90%)
Additional Vendor Lifecycle (future EOL/EOS)

**+ Vuln Dashboard**
Normalized data

**+ Sources**
User / Org.
Passive Discovery.
Enterprise Mobile

**Asset Relationships**
Highlights communication between assets.

*Roadmap items are future looking; timing and specifications may change.*

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Q&A
Thank You

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