

Hybridní cloud a monitoring aplikací od Šumavy k Tatrám

AppDynamics a ThousandEyes

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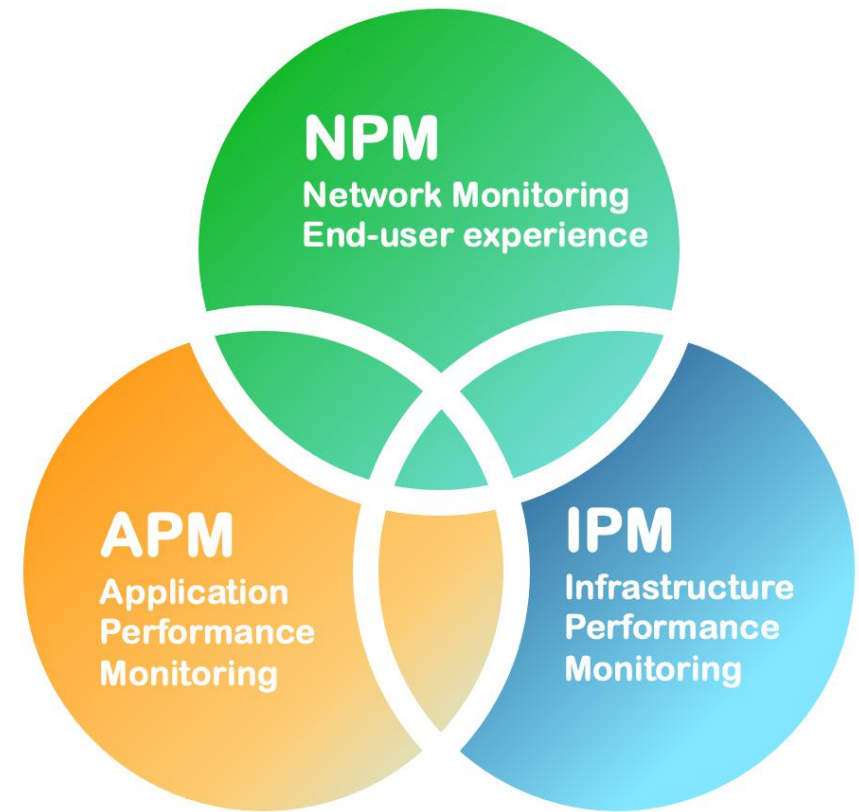
Listopad 2020



You make multicloud **possible**

Applications on Top of Mind of Customers

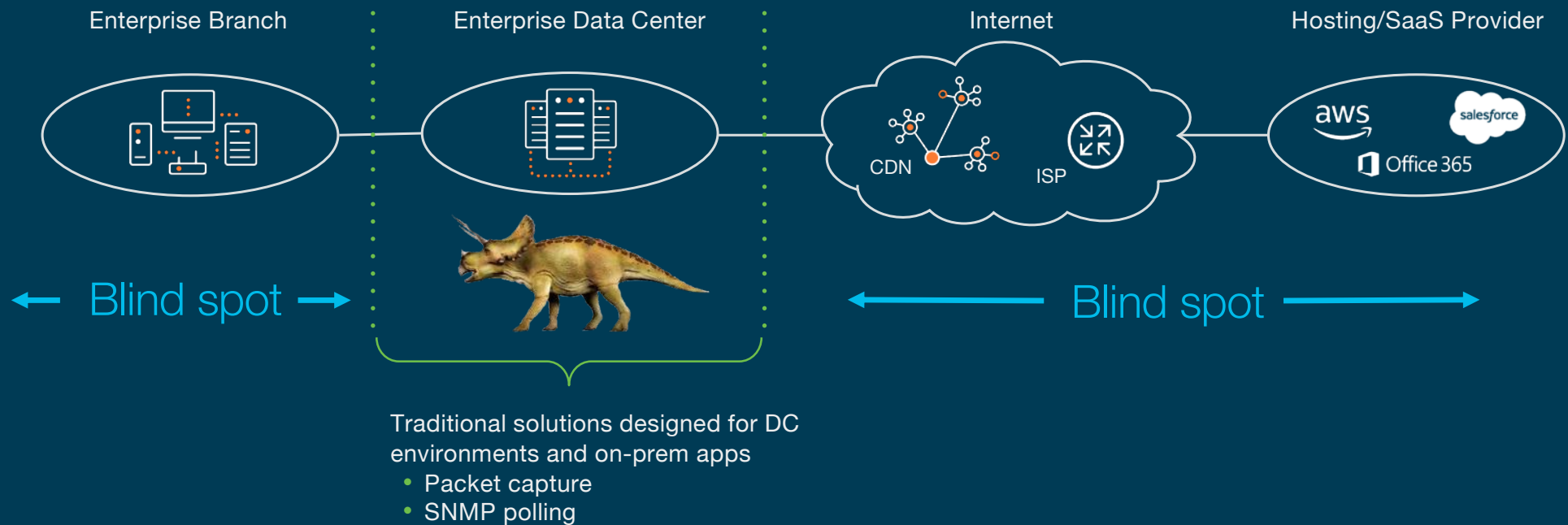
- End-user experience is a key (fault-free, fast, usable)
- Complete picture requires visibility across applications, network, and compute and storage infrastructure
- Prerequisite for
 - Timely alerting
 - Dependency visibility
 - Integrated troubleshooting



The problem

Internet became the hub of everything connected

No good solution to monitor the performance of the Internet



Dramatic Shift in Control

Cloud is the New Datacenter

Legacy techniques are ineffective in understanding public cloud environments and their connectivity to the rest of the world.

Internet is the New Network

With Cloud, SaaS and SD-WAN Enterprises heavily rely on a best effort public Internet that is fragile, constantly changing and has no SLA.

SaaS is the New Application Stack

Enterprises are struggling to understand and improve user experience for SaaS Apps where traditional instrumentation does not work.

Traditional IT is Still There

On Premise Datacenter

Infrastructure is still there but needs to be monitored in relation to applications.

Modern DC SDN

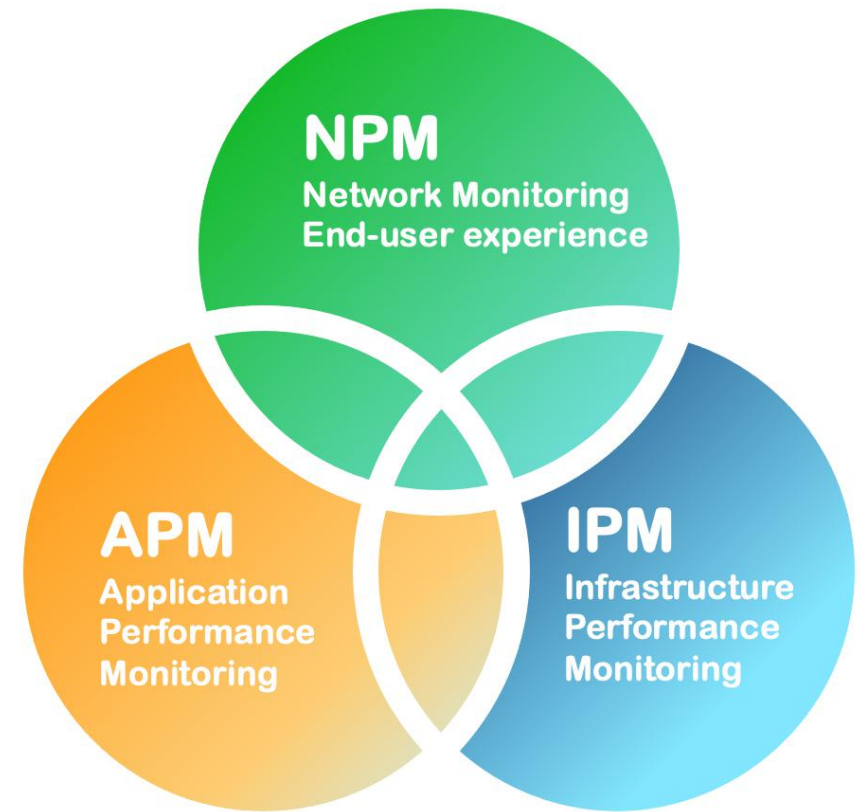
SDN bring cloud-like experience, but also new levels of integration for visibility and troubleshooting

Existing Application Portfolio

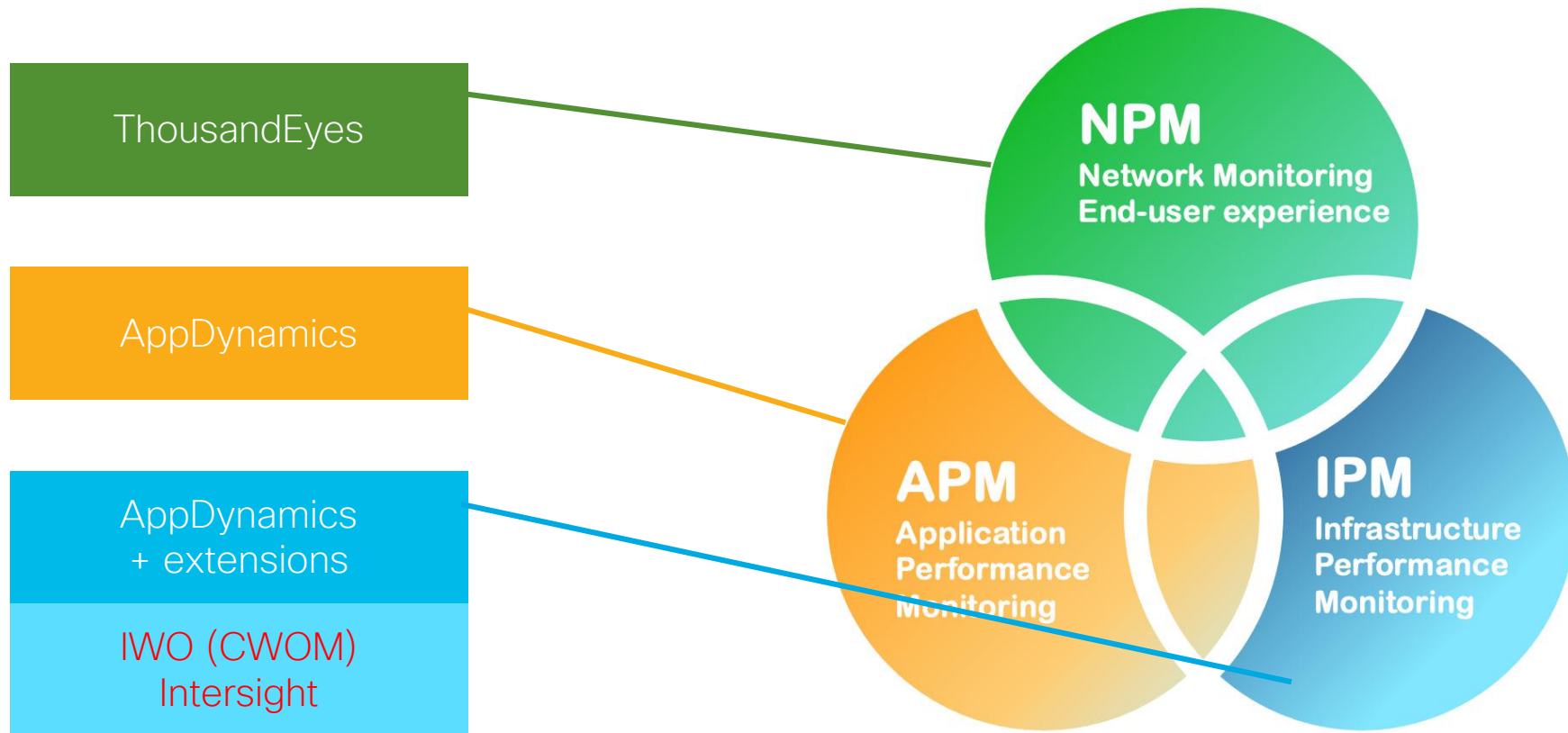
Often most critical applications are not SaaS. Can run on-prem or in the cloud. We can understand them deeply.

New Approach to Monitoring Needed

- Application Centric Approach
- Browser/Mobile to the DB Query
- Cloud Era Ready
- On-Prem Capable
- Single Pane of Glass
- Root Cause Analysis

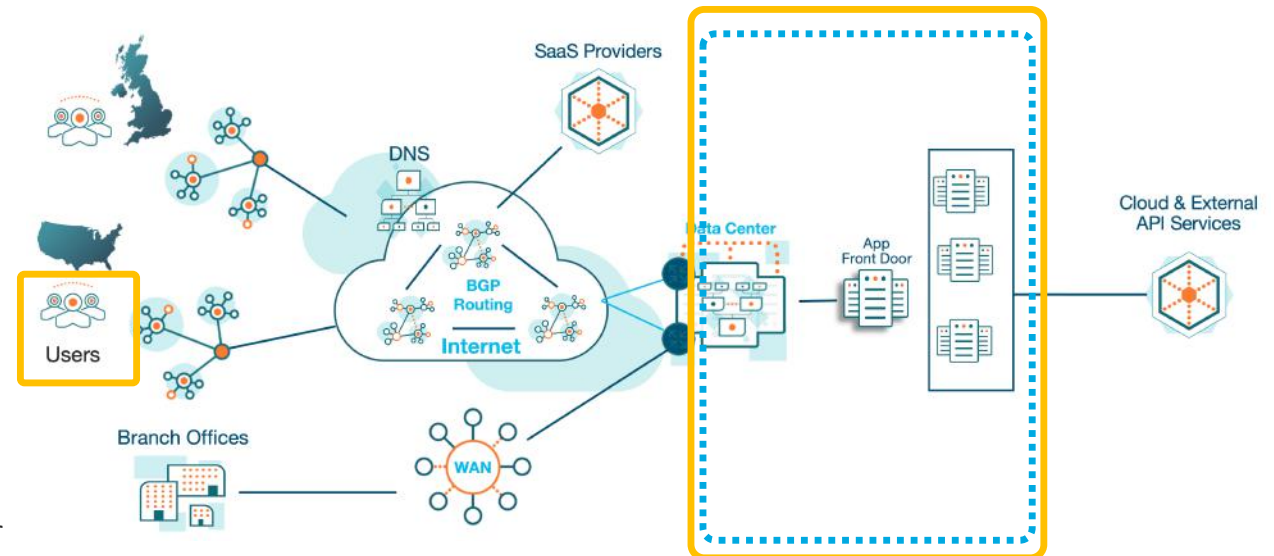


Solution by Cisco – AppDynamics & ThousandEyes



AppDynamics Scope

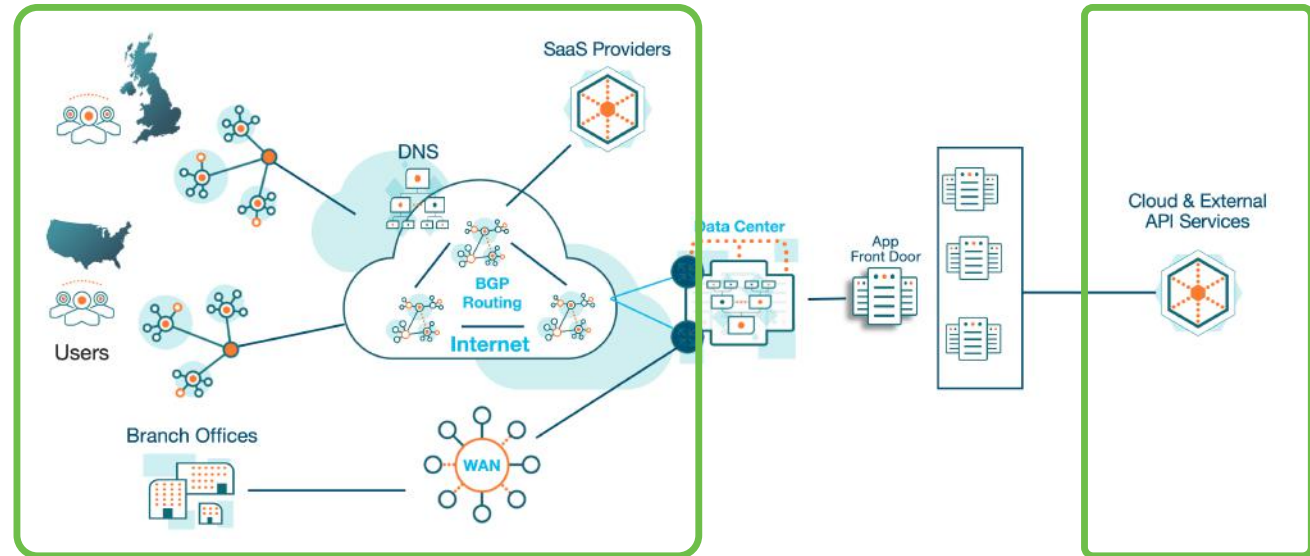
- Application architecture visibility
- Deep application monitoring
- Transaction oriented – 100% transactions monitored end-to-end
- End-user monitoring – browser & mobile
- Health checks, alerts
- Root-cause analysis



- Infrastructure monitoring
- Application-related network monitoring (DC)
- Business Metrics
- Extensible – ACI, CWOM, various extensions

ThousandEyes Scope

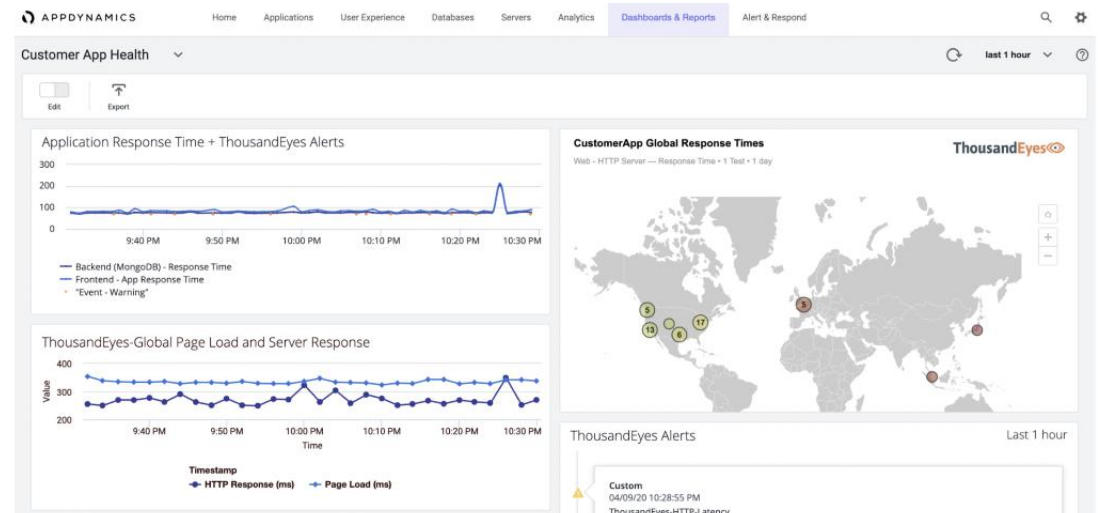
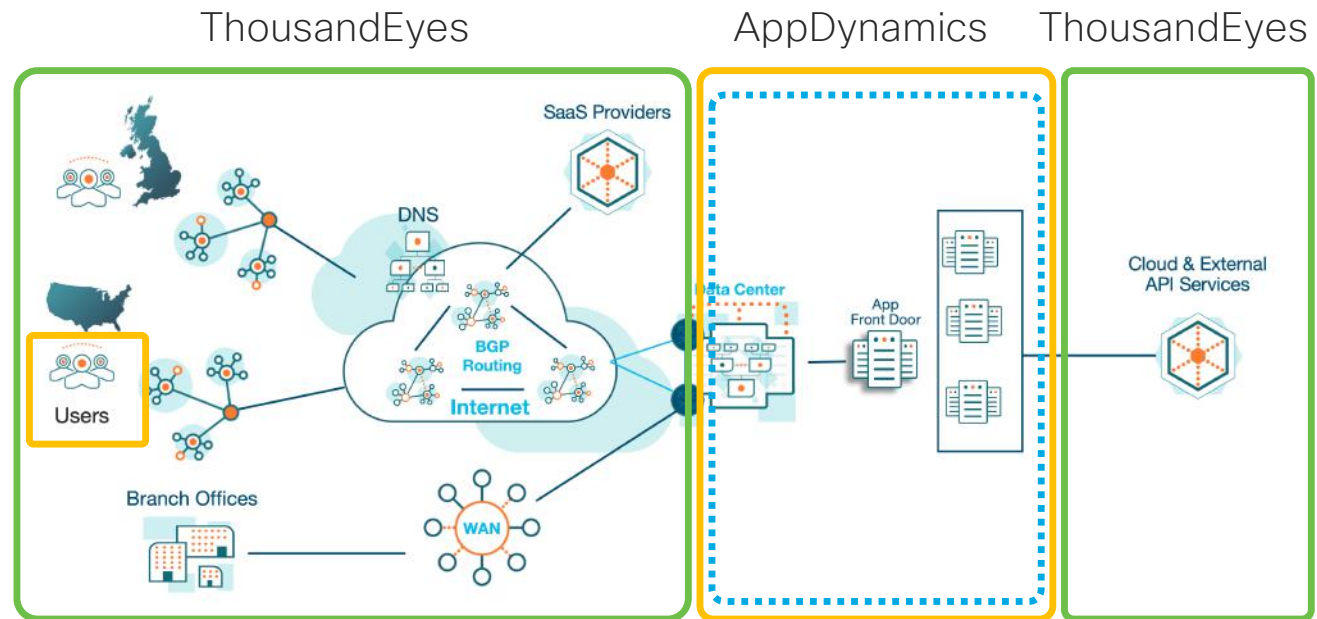
- Seeing the applications by the eyes of end-user
 - From the cloud and from the enterprise
 - Availability & end-user experience monitoring
- Probes from anywhere
 - SaaS, op-prem, network device
- SaaS applications as well as on-prem applications
- Deep visibility of network path, metrics, drops, quality



- End-user monitoring for troubleshooting
- Health checks, alerts
- SD-WAN overlay/underlay correlation
- Internet Insights

Great Together

- Single pane of glass in AppDynamics
- Dashboards
- Metric exchange and correlation
- Alerts integration
- Snapshots for application and network state
- End-to-end root-case analysis

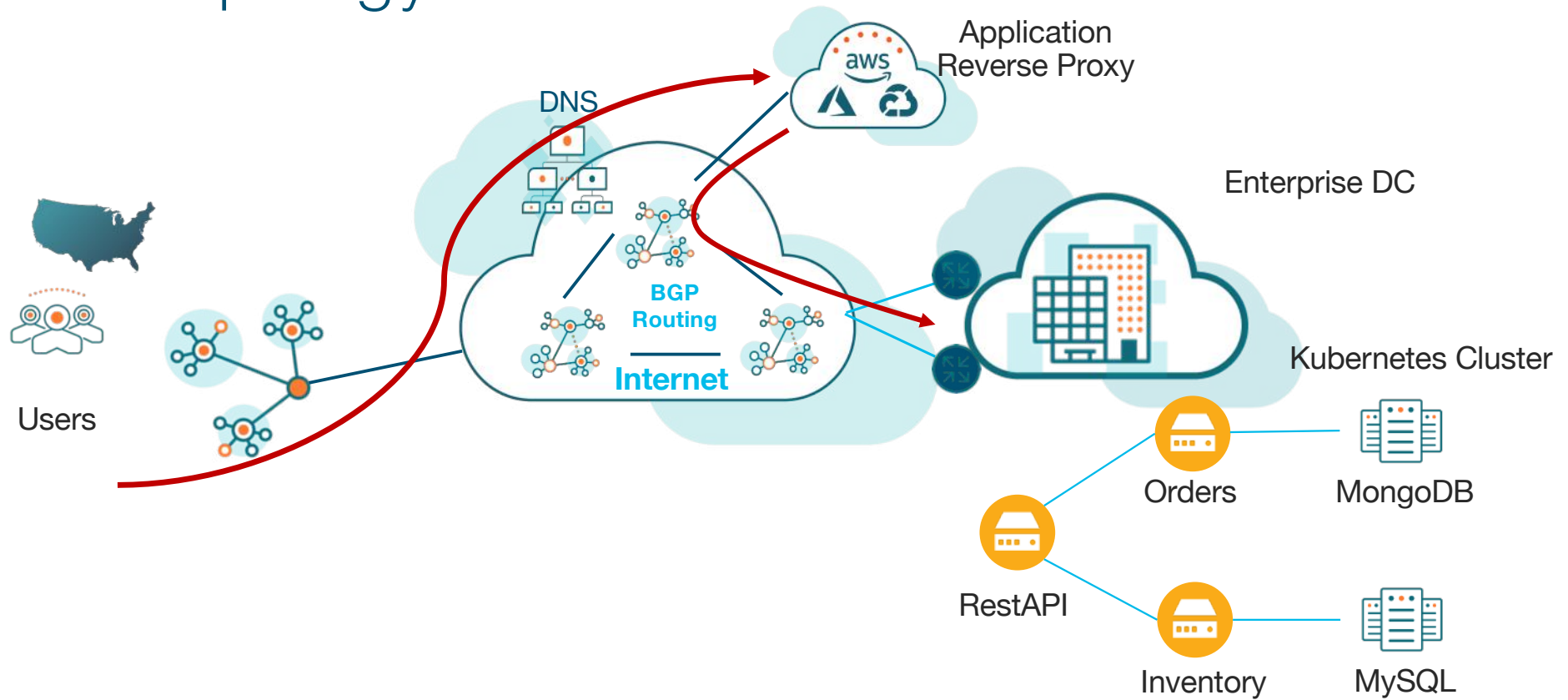


Demo

AppDynamics & ThousandEyes



Lab Topology

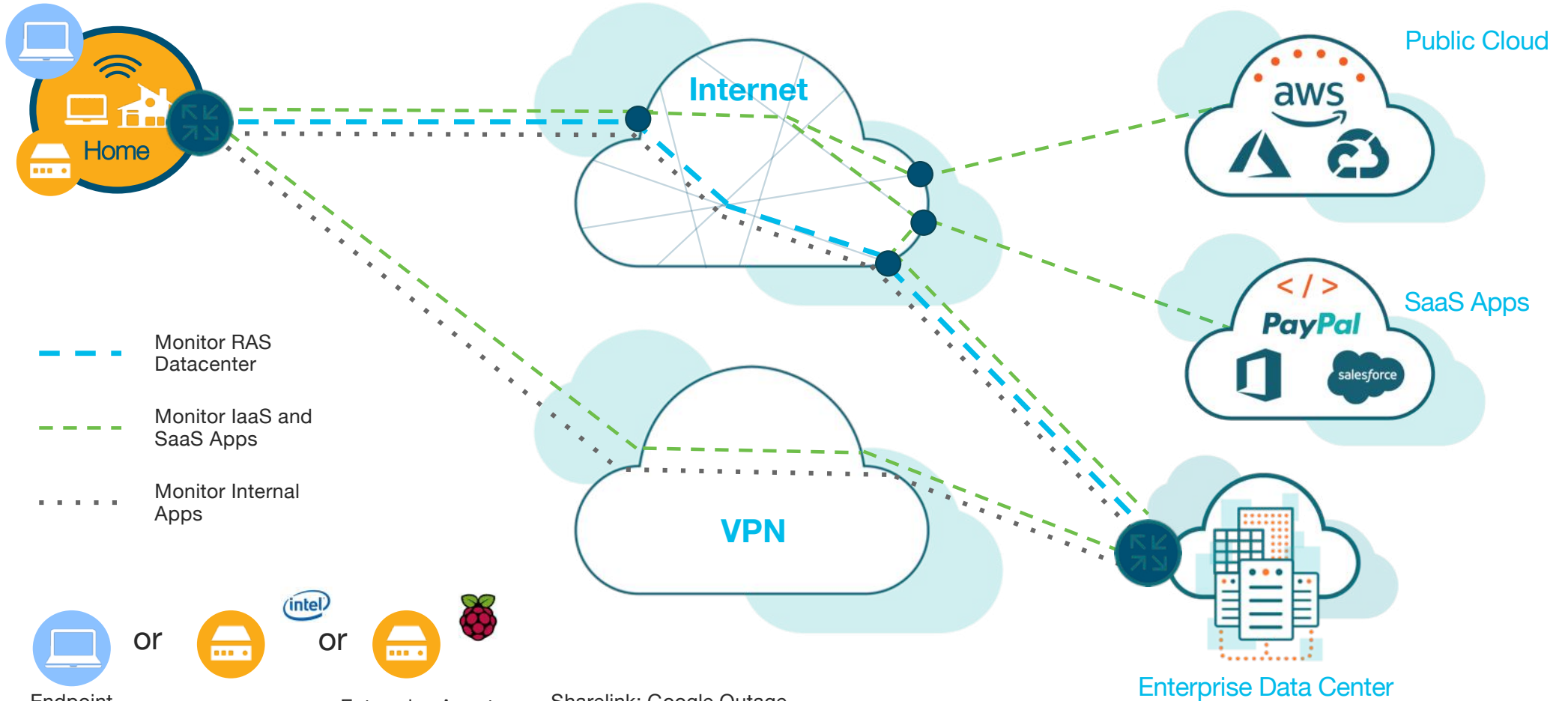


Demo

ThousandEyes Home Worker



Home Worker Options



Endpoint Agent or Enterprise Agent Intel NUC or Enterprise Agent Raspberry Pi 4

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