



# OPMANTEK

NETWORK MANAGEMENT AND IT AUDIT SOFTWARE



How to Quickly Diagram and Document Your Enterprise Network - v2 Nov 2018



We will send you the recording.



Submit your questions anytime. We'll do Q&A throughout.



Please complete the Exit survey.

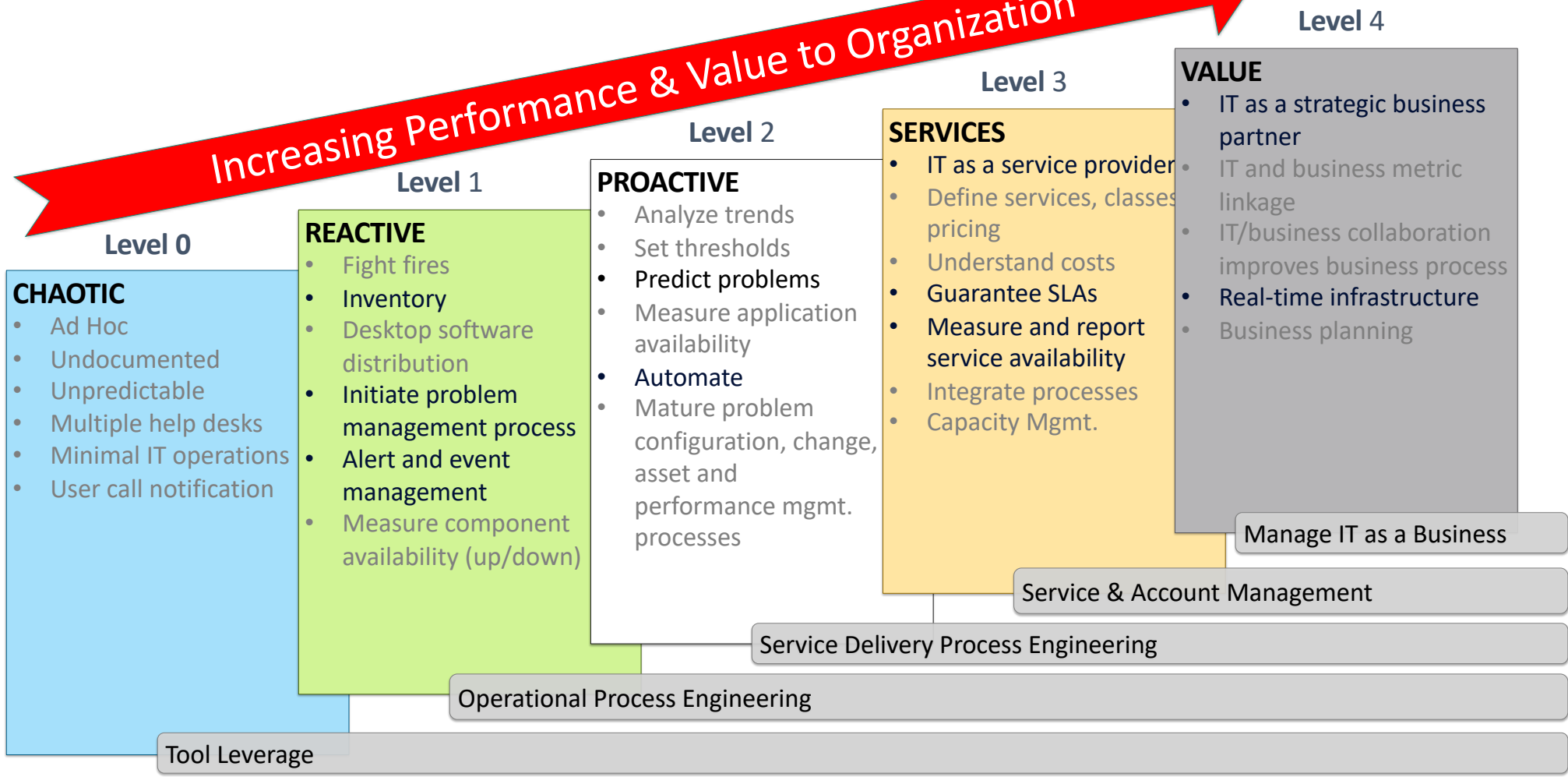
## Topics for Today

Static diagrams just don't cut it anymore. They're never kept up to date, you can't find them when you need them, and there's never enough time to rebuild them. Join us for this 30-minute session while we learn –

- The importance of maintaining accurate network diagrams and documentation
- How to logically organize and partition your network diagrams for ease of use
- Creating and updating network diagrams, including device and interface information
- Leveraging live diagrams for performance and fault management

# IT Service Management Maturity Model

Increasing Performance & Value to Organization



# Architecting a Solution

## Open-Source

Open-Audit Community – Powerful device discovery and auditing  
NMIS – Fault and Performance Monitoring

## Commercial Solutions

Open-Audit P/E – Scalable device discovery and auditing  
opCharts – Dynamic, custom dashboards and topology maps



## Useful References

Where can I go when I have questions?

- Open-Audit Wiki – <https://community.opmantek.com/display/OA/Home>
- opCharts Wiki - <https://community.opmantek.com/display/opCharts/Home>
  
- Community Questions Board - <https://community.opmantek.com/questions>
- Support Issues – [support@opmantek.com](mailto:support@opmantek.com)
- Sales – [usa@opmantek.com](mailto:usa@opmantek.com)

# Why Maintain Accurate Network Diagrams

( a small sampling )

- Required for system audits (PCI/NERC/SOC-2/etc)
  - Quickly understand impact of unplanned outages
  - Assist with capacity planning
  - Reduces rebuild time after D&R event
  - It's easier to maintain them than recreate them every 3-5yrs
- 
- Not to be confused with the Project Management Network Diagram

# Open-Audit

Device Discovery and Auditing (a light-weight CMDB Solution)

WHY – If you don't know what's on your network how can you diagram it?

- Fast, accurate device discovery
- Helps track vendors, warranties, connectivity, etc
- Fields for location, rack, power outlet, and visual rack management coming in v2.3.0
- You can define custom fields and create custom reports that reference those fields



# opCharts

Customized Dashboards with Topology and Geographic Mapping

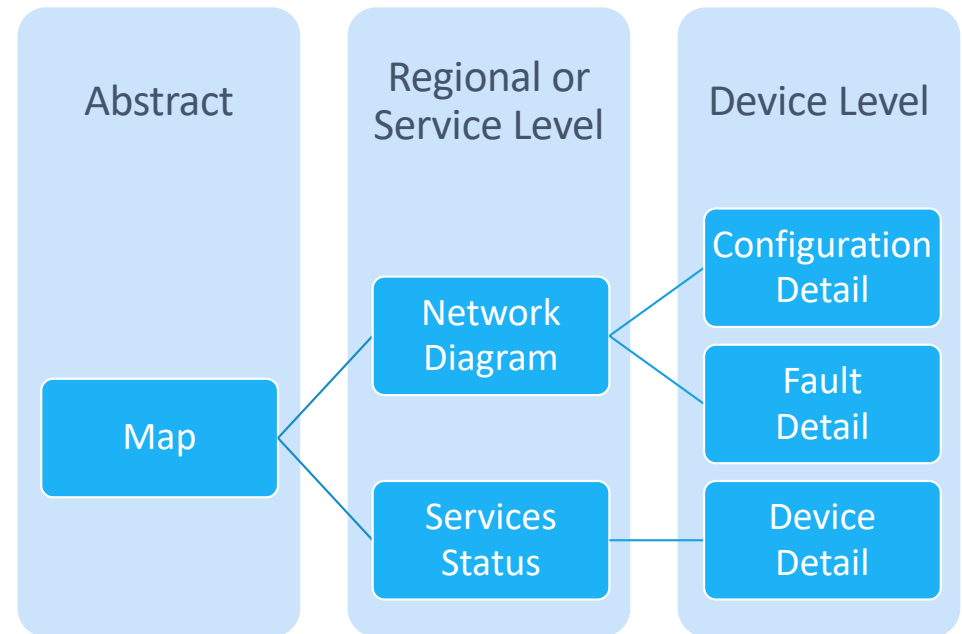
WHY – Interactive, visual maps are easier to understand than written reports

- Create top-level abstract maps FIRST, then drill in
  - Create topological maps based on primary filter, add link lines, labels, etc.
  - Add geographic maps only where these would be useful in a D&R event (or regional outage)
  - Add links from top-level maps, but also from individual devices to maps (usually mid-level)
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- Optional workflow – use Open-Audit to find all your devices, then pass to NMIS and opCharts for live performance and fault management.

# How to Organize and Partition Your Network Diagrams

Often a 3 to 4-level approach to abstraction provides the fastest access to RCA

- Plan on 3-4 levels
- Select a single primary key
  - Physical location (city, building, floor, rack, etc)
  - Logical location (LAN, subnet, etc)
  - Roles (core, edge, distribution, etc)



## CONTACT FOR FOLLOW UP

Commercial enquiries:

**Tom Wiri**

Account Executive

+1 (512) 430-4450

[usa@opmantek.com](mailto:usa@opmantek.com)

Technical enquiries:

**Mark Henry**

Senior Engineer

+1 (207) 951-2428

[markh@opmantek.com](mailto:markh@opmantek.com)



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