

# Components of Self Managed Networks

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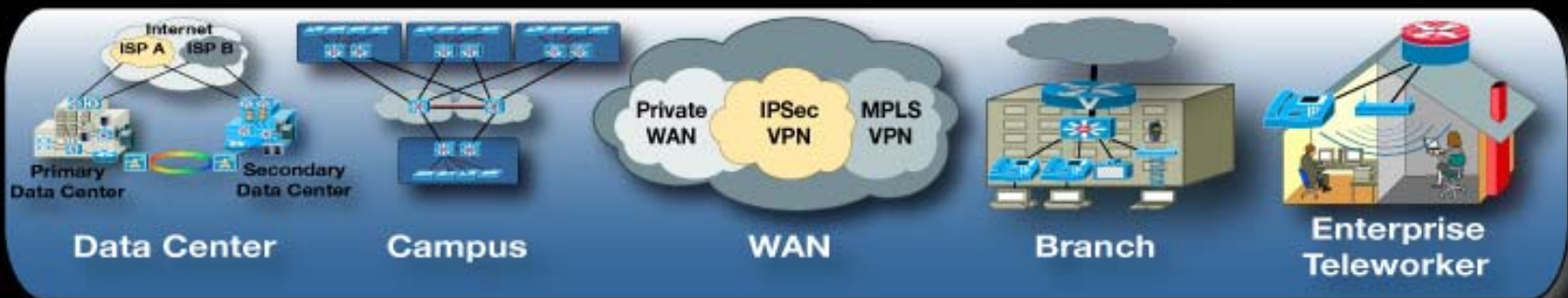
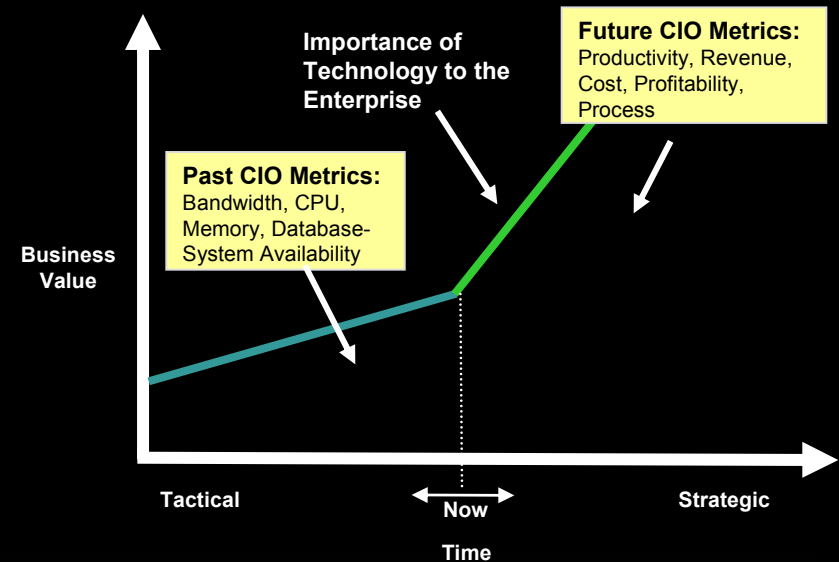
# Management of Enterprise Networks Today's *Business* Concerns

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- Networks require manageability so they can continue to grow there core business application.
- Manageable networks provide operators and architects with the necessary control to effectively tune the network as business requirements change

## The Changing CIO Mandate

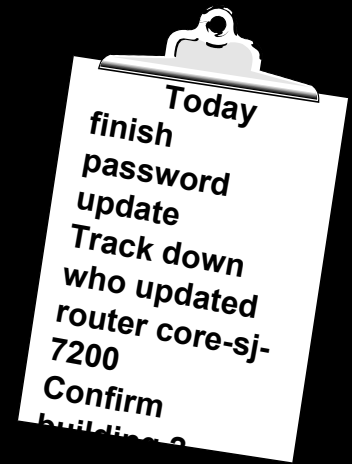
Source the Yankee Group 2003



# Business and Day to Day Management

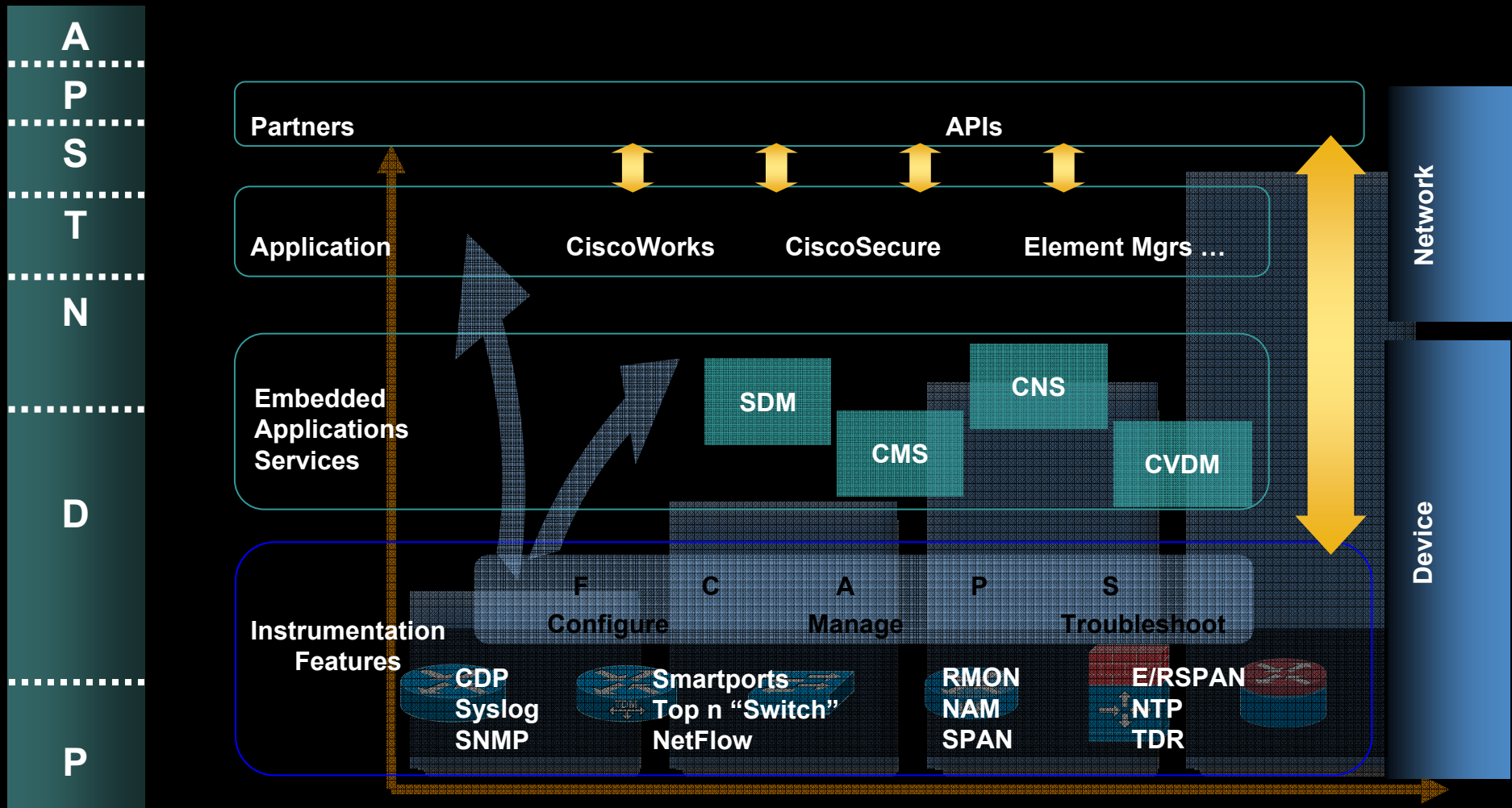
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- How you deliver fixes in real time?
- Who is changing what?
- Outage explanations
- Designing, Deploying, Maintaining, Operations



# Elements of Manageability Top to Bottom

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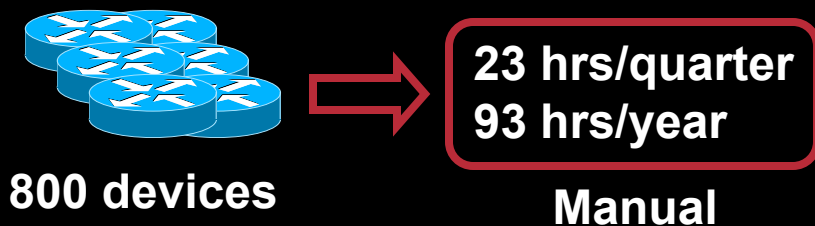


# Saving Time Manual vs Automation Device Password Changes

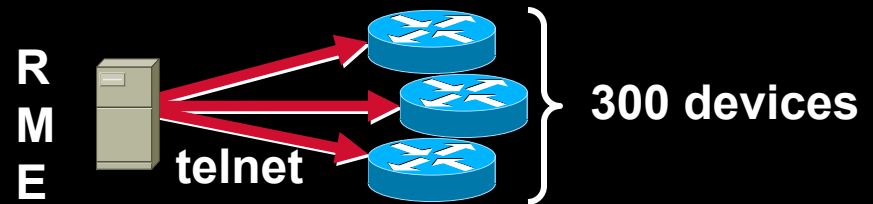
## Manual Process



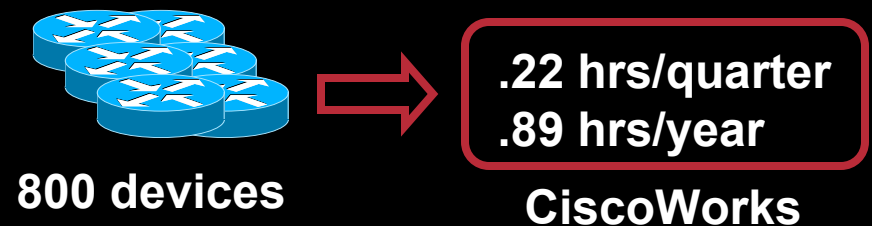
1. 5 minutes per device
2. 3 devices simultaneously
3. 5% error rate



## Automated with RME



1. 5 minutes to prepare 300 devices
2. automates deployment
3. automates documentation



# Controlling the bottom line “cap and opex”

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	Manual	Automated
Software Update	299 hrs/year	31 hrs/year
Gathering Configuration Info	89 hrs/year	.36 hrs/year
Device Configuration Change	93 hrs/year	.89 hrs/year
<b>Total Time per Year</b>	<b>481 hrs/year</b>	<b>32 hrs/year</b>

	Manual	Automated
Initial Device Deployment	148.00	48.00
Configuration update	144.00	14.40
Devices	800	800
<b>Total Time per Year</b>	<b>225,200 year</b>	<b>51,520</b>

# Self Managed Requirements

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- **Instrumentation**  
**MIBS, SNMP...**
- **Embedded device management**
- **Device/Network Management**
- **What's your Goal**  
**Control, Information, Leadership**
- **Flexibility**  
**Enabled for change**