



Business Unlimited

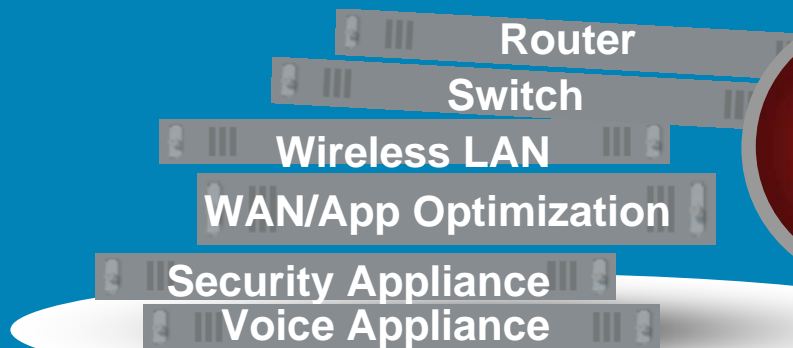
Integrated Business

Lower TCO



ISR – The Integrated Business Solution!

Overlay Appliances



Traditional Business

Integrated Services Router



Cisco ISR 3845 with integrated Security, Voice, Wireless, Video, WAN Optimization and Switch

Today's Business

Distributed Business Landscape

80% of enterprise workers work outside headquarter style building.
Nemertes Research

Operational expenses dominate total cost of ownership, with operation costs accounting for 79% of the equipment TCO.
Gartner Group

There are 1.5 million branch offices in the US alone—1/3 of all employees work in a branch.
US Department of Commerce

Branches consume 70- 90% of business resources.
NetworkWorld

WHY?

- To be closer to diverse markets and customers
- Localized Decision Making
- Availability of Human Resources
- Availability of High Speed Access
- Cost control

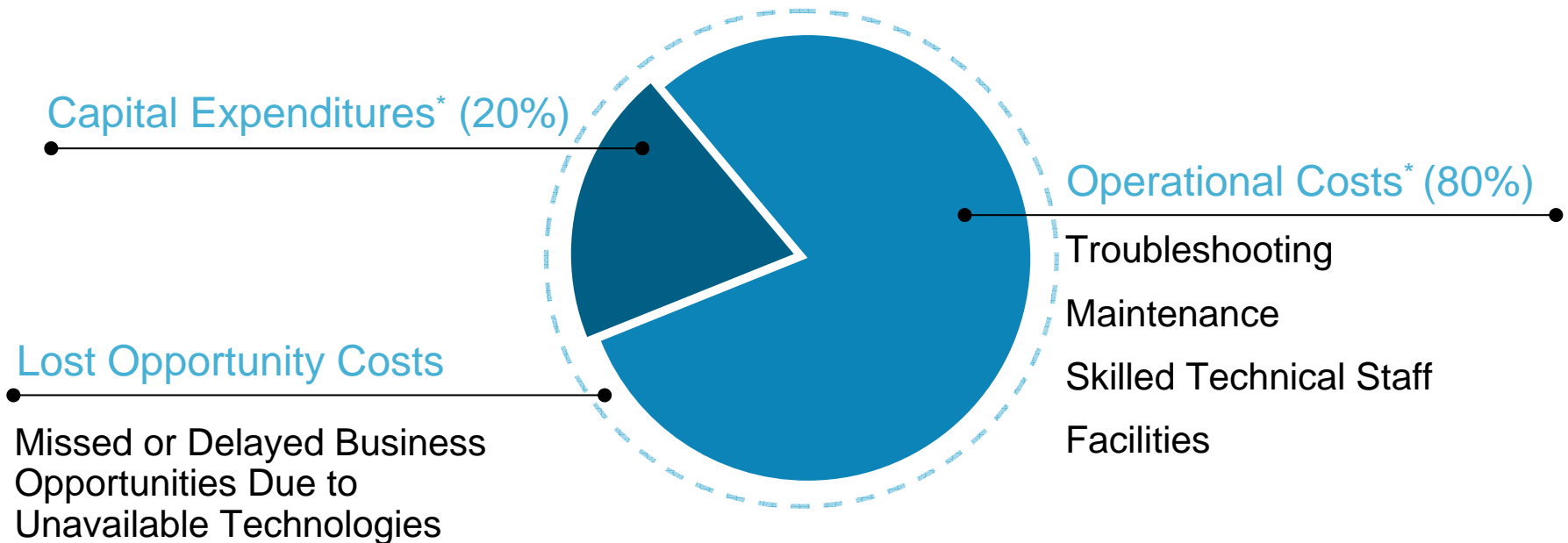
Top Ten Causes for Higher TCO

1. **Hardware Diversity**
2. **Configuration Complexity and Support Complexity**
3. **Security and Regulatory demands**
4. **Conflicting Performance Criteria**
5. **Higher costs for Incremental Services**
6. **Higher recurring expenses**
7. **Minimal Opportunities for Automation**
8. **Multiple Maintenance Contracts**
9. **Minimal Synergies Between Applications**
10. **Lack of business agility and high upgrade costs**



Network Total Cost of Ownership (TCO)

Network Costs = 20% Purchase, 80% Operations

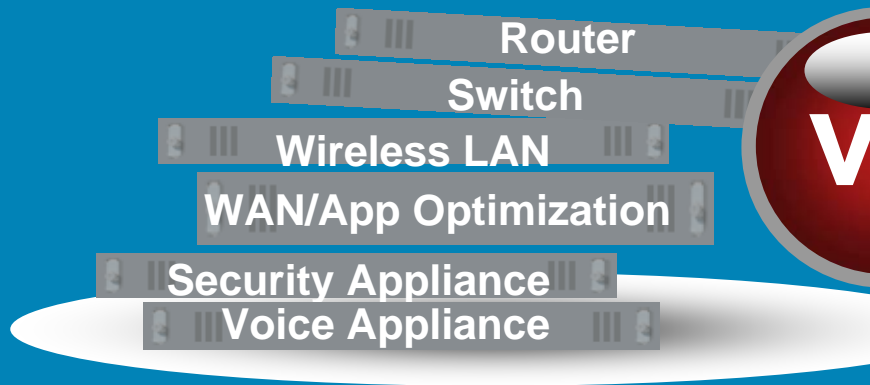


- Capital expenditure is **one** element of the total cost of a system
- Operational and opportunity costs outweigh capital expenditures

Source: Gartner Group, 2005.

Lower CAPEX with ISR

Overlay Appliances

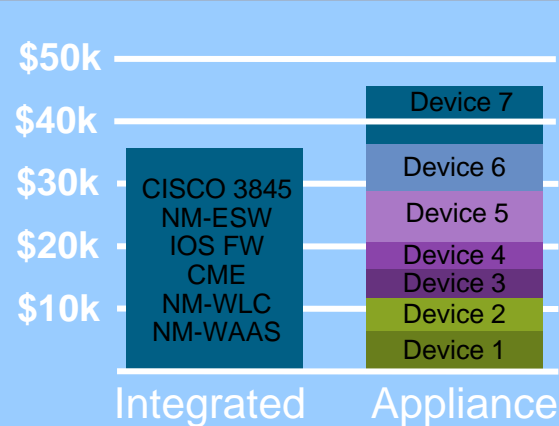


Integrated Services Router



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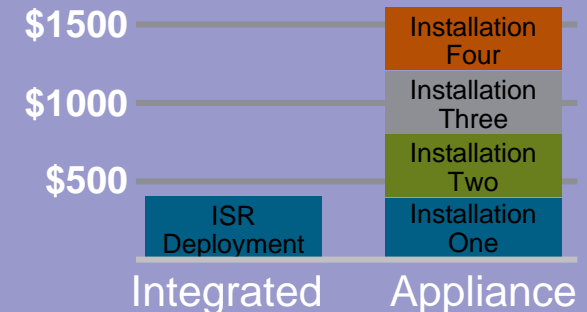
5 to 30 % CAPEX SAVINGS



Buying individual products drives up initial outlays by 5-30%

Multiple deployment costs for each additional technology

Lengthy recertification for new products



ISR TCO Model – Implementation expenses and Operational expenses Model

ISR vs. 6 Overlay Appliances

Comparison of Implementation and Operational Expenses

Direct Costs:

- Management Tools
- Annual Maintenance Costs
- Facility
- Deployment



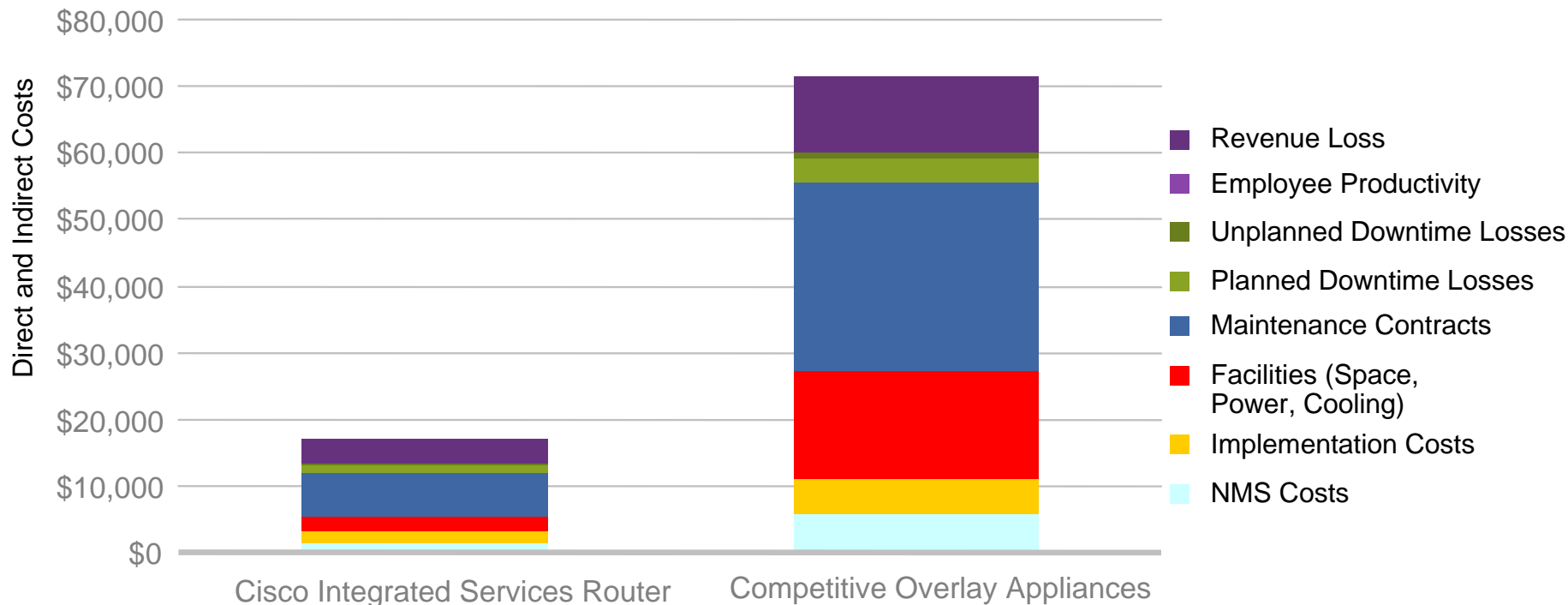
Indirect Costs:

Network Availability (planned downtime, trouble-shooting, revenue loss and employee productivity loss)



TCO Analysis: Direct and Indirect Costs

Total Cost of Ownership



Over 70% OpEx Reduction

Source: Cisco

Cost Benefits

Costs



Annual Maintenance Contracts



Greener Choice
(facilities, power, cooling)



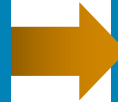
Simple Elegance – the Power of Integration



Availability – cost of outage and downtime



Employee and revenue related losses



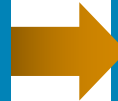
4X savings over 3 years



Owning an ISR costs 1/5 compared to overlay appliances



1/3 Network Mgmt Systems and Deployment Costs



It costs 2.5 times more to own overlay network appliances



ISR offers 4X greater availability and cost savings.

ISR : Lower TCO, Compelling ROI

Lower Total Cost

	ISR	Appliance	
Direct Costs	\$12,600	\$57,800	> 4X
Indirect Costs	\$3,100	\$14,200	> 3X

*Does not include equipment pricing

Higher ROI: Owning an ISR provides more than 300% improvement in ROI over three years.

What If – no ISR!

Cost of Doing Nothing

Over **\$560K MORE** in operational expenses for a 10 branch network over 3 yr period



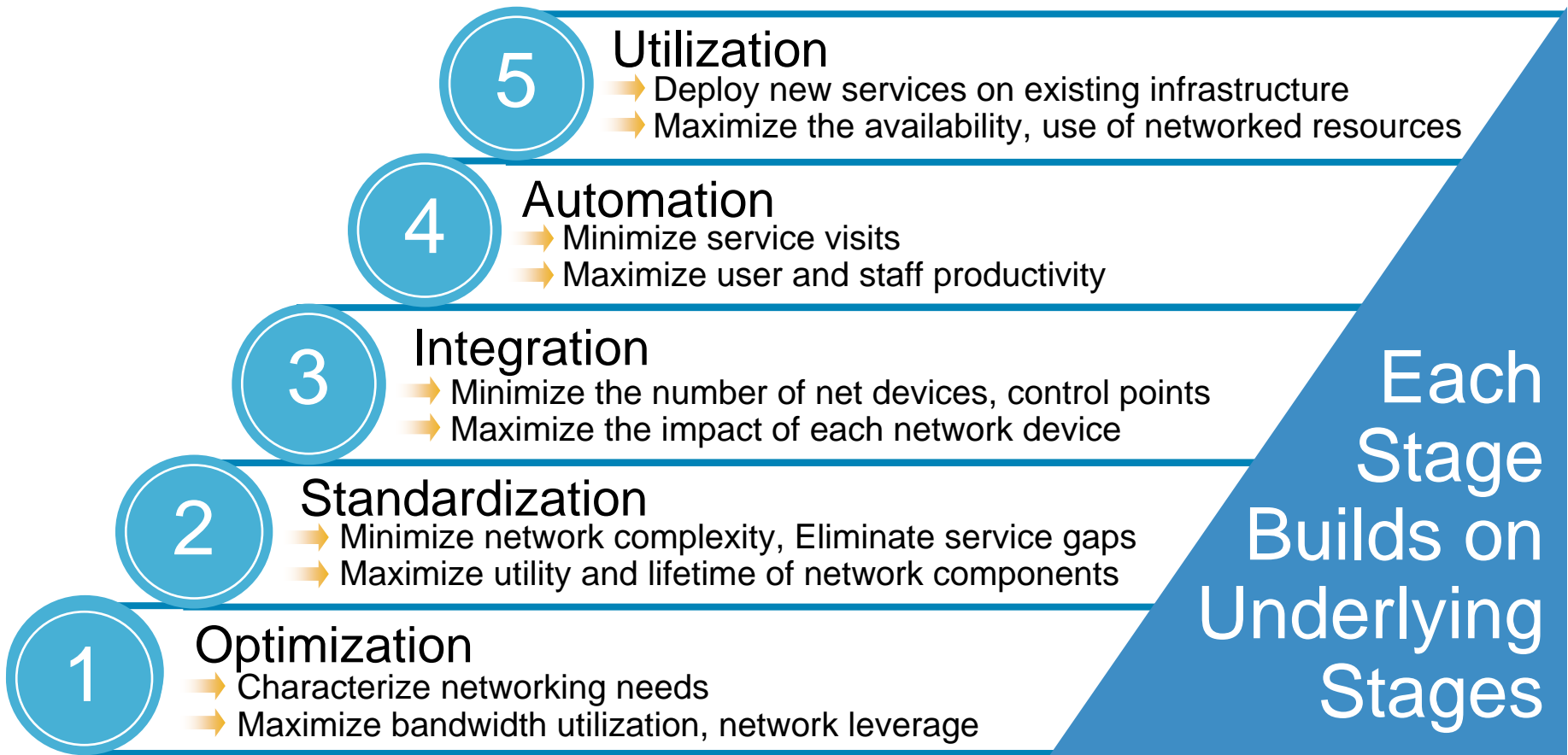
Opportunity Costs (not monetized)

- MORE network complexity
- MORE training requirements for multiple NMS
- MORE Management of diverse Annual Maintenance Contract
- MORE troubleshooting
- MORE finger pointing
- NO branch evolution and headroom for growth

The Roadmap to Lower TCO

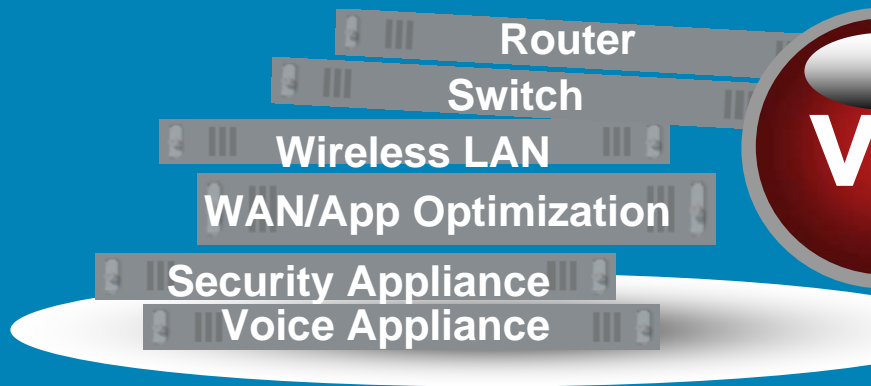
Objective

Lower TCO Through:



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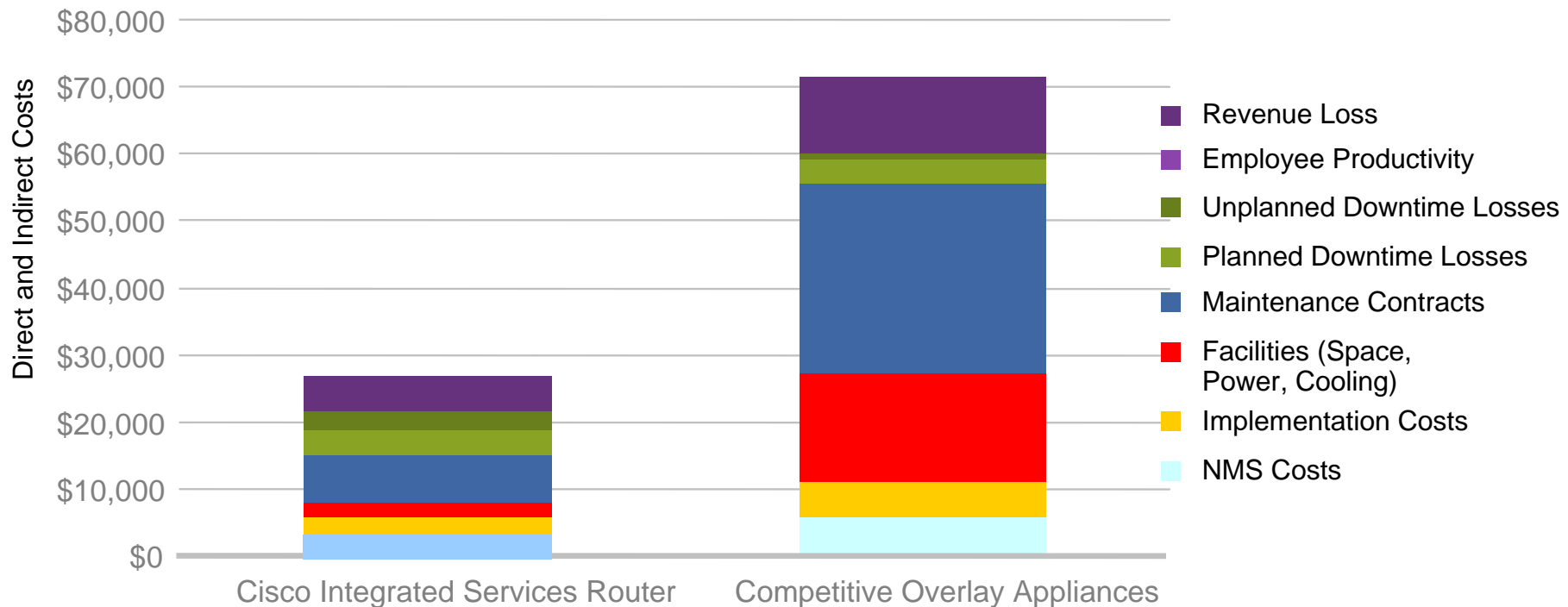
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Today's Business



TCO Analysis: Redundant Configuration

Total Cost of Ownership



Still provides almost 60% OpEx Reduction