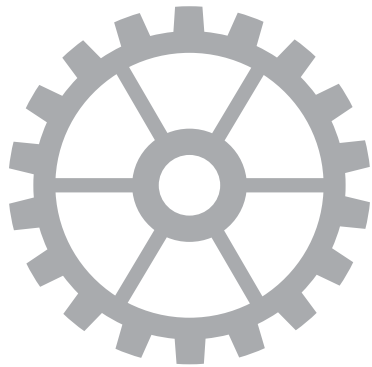


# SMART BUILDING CONNECTIVITY

Realize a more reliable  
building network



COMMSCOPE®

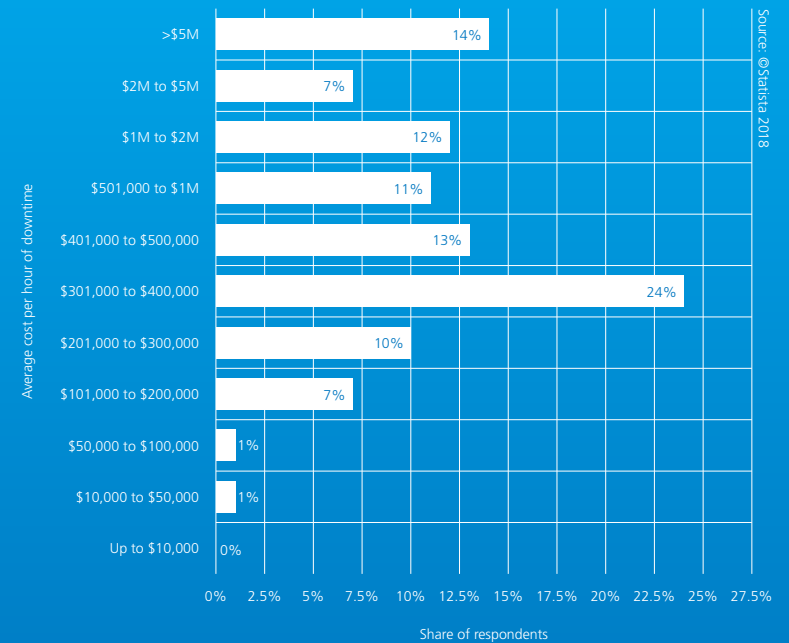
# REALIZE A MORE RELIABLE BUILDING NETWORK

The less you hear about your building's network, the better.

Enterprise networks rarely make the news unless the news is bad—and an unplanned outage is about as bad as it gets. In 2017, a tech's typo at one of the world's largest cloud services providers took a large swath of servers offline for four agonizing hours. According to one estimate, it cost S&P 500 companies \$150 million—and U.S. financial-service companies \$160 million—in lost revenue.

Of course, the financial hit is just one aspect of an outage. The true cost also includes lost productivity and damage to your reputation. As our reliance on ITC infrastructure increases, the cost of an unplanned outage will only go up.

Average cost per hour of enterprise server downtime worldwide in 2017 and 2018



# REALIZE A MORE RELIABLE BUILDING NETWORK

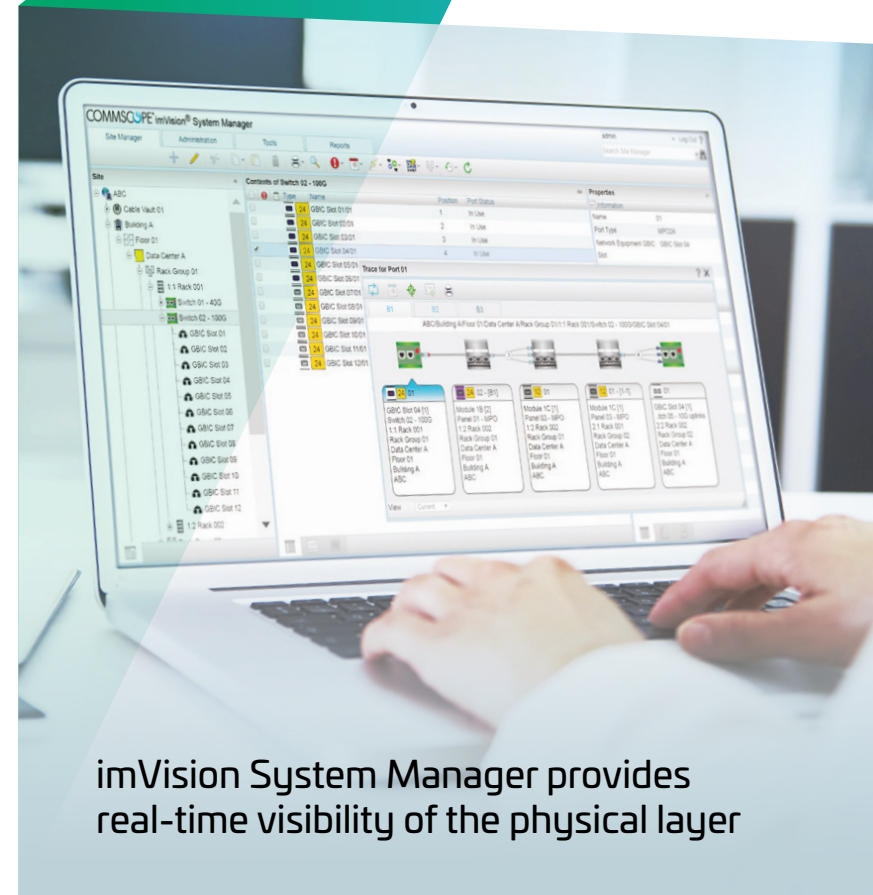
## Now go beyond downtime

While unplanned outages are the most costly and visible aspect of network reliability, there are numerous others. In-building wireless communication, stable and dependable connections with internet of things (IoT) devices, and support for the variety of building management systems all require reliable network infrastructure.

A resilient, redundant and intelligent network infrastructure can go a long way toward minimizing your chances of an unplanned outage and maximizing productivity across the entire enterprise. The focus must extend beyond issues of redundancy and automated infrastructure management.

## Things to consider to improve reliability:

- Unifying on a single converged network cabling platform
- Deploying automated infrastructure management (AIM) to monitor the physical layer and provide real-time information on any changes
- Ability to migrate to higher speeds with minimal network disruption
- Robust copper cabling system to support current and future PoE-powered devices
- Mobile support for Wi-Fi, 3G/LTE/5G and multi-operator networks



**imVision System Manager provides real-time visibility of the physical layer**



## IMPLEMENTATION RECOMMENDATIONS

The right connectivity strategy can greatly assist in maximizing network reliability and uptime. The degree of success depends in large part on the design, composition and management of the enterprise network. Here are some areas to look at.

### Infrastructure intelligence

Automated infrastructure management (AIM) systems, such as CommScope's imVision®, can be a key weapon in your effort to maximize reliability and uptime. AIM systems use an intelligent platform to continuously monitor all network connectivity in the physical layer. They can automatically document all changes and can even alert personnel in the event an unscheduled new connection or other potentially disruptive circumstance is detected.

### Converged infrastructure support

Network convergence is becoming more prominent in the enterprise LAN. In this new paradigm, Category 6A copper cabling is the foundational component. Beyond simplifying the physical network, it enables network managers to easily support the faster speeds and increased bandwidths of emerging technologies. With Category 6A copper as the preferred medium for power over Ethernet, network managers can seamlessly extend the network to the edge, using enhanced PoE to support increasing IoT connectivity and devices requiring higher power. Simply put: A converged enterprise network based on Category 6A copper can improve network reliability and business continuity.

### Structured cabling with modular components

It is critical that all infrastructure cabling meet or exceed minimum fire safety ratings. These can vary significantly by location, so it is important to consult the local authority having jurisdiction. Enterprise network managers should be aware of the local regulations and applicable industry standards, making sure any cabling that is used, meets or exceeds the requirements.



# PARTNER WITH COMMSCOPE TO REALIZE THE POTENTIAL IN YOUR ENTERPRISE NETWORKS

As the way we communicate continues to transform, CommScope delivers innovative infrastructure solutions for evolving in-building needs. For more than 40 years, we've been the face of change for commercial building networks. From the AT&T Stadium to the Bank of China, CommScope partners with companies across the globe—helping them realize their vision for smarter, more productive buildings and spaces. We can do the same for you.

You know what you need. We know what's next. Together we can realize your potential.



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