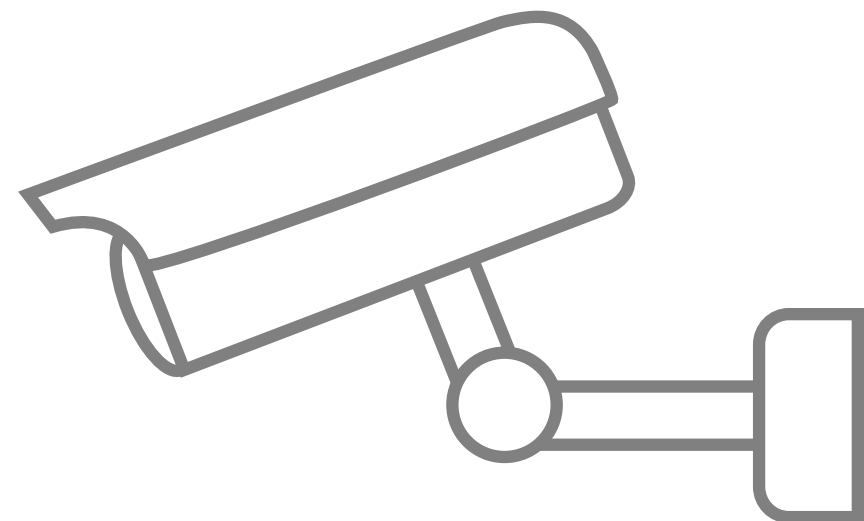




*Are your communications at risk?*

# **HOW TO SOLVE YOUR SECURITY WITH THE CLOUD**



Companies are rapidly adopting cloud-based communications solutions that are end-to-end protected by trusted providers.

## **DON'T EXPOSE SENSITIVE INFORMATION TO UNNECESSARY RISKS**

**Protecting your company has never been more vital.**

Sophisticated Denial-of-Service Attacks are constantly compromising the availability of your IT systems, while unsecured mobile devices and apps that connect to your network can leave communications, passwords, and other sensitive data open to theft.

To stay ahead of the risks, many companies are looking for experts with the specialized skills needed to protect their organization. That means security experts are in great demand — and short supply. There are simply too few individuals with the specialized skills businesses need, so the talent gap is growing.

## RISKS BY THE NUMBERS

**3 out of 4**

of today's mobile apps would fail basic security tests.<sup>1</sup>

more than

**1/3**

of companies say an employee's mobile device has been lost or stolen in the last six months.<sup>2</sup>

**9 out of 10**

lost or stolen devices contained work-related information.<sup>2</sup>

over

**1/2**

of companies say they are unequipped to detect security threats.<sup>3</sup>

**Sources:** 1 Gartner Says More than 75 Percent of Mobile Applications will Fail Basic Security Tests Through 2015. <http://www.gartner.com/newsroom/id/2846017> 2 Imation Data Loss Release 2015. <http://www.ironkey.com/en-US/about-ironkey/press-releases/Imation-Data-Loss-Release-2015-11-09.pdf> 3 Get Ahead of Cybercrime, EY's Global Information Security Survey 2014. [http://www.ey.com/Publication/vwLUAssets/EY-global-information-security-survey-2014/\\$FILE/EY-global-information-security-survey-2014.pdf](http://www.ey.com/Publication/vwLUAssets/EY-global-information-security-survey-2014/$FILE/EY-global-information-security-survey-2014.pdf)

# 5 OF THE CLOUD'S MUST-HAVE SECURITY FEATURES

Only cloud-based service providers are equipped to provide the security your organization needs for lock-tight protection. That's because the cloud provides a single, trusted, and reliable resource that secures your apps, devices, and network transmission path.

Here are five ways the cloud supports and protects your headquarters, remote offices, and mobile workers, wherever they travel:



## 1. Confidentiality

Keep your secrets and protect vital business data, both while it is stored and while it passes over a network. Encryption alone is not enough. You need sophisticated cryptographic routines that can authenticate users and devices, as well as protect data as it travels to, from, and across the Internet.

### Cloud communication solutions provide:

Well-known cryptographic algorithms, certificates and protocols recommended by top security experts, including:

- + OpenSSL
- + Advanced Encryption Standard (AES)
- + X.509 certificates
- + RFC-compliant network communication protocols (TLS, OCSP)

## 2. Integrity

Integrity is about making your server and client software hard for hackers to break into. Secure software design and coding, proper configuration, and careful monitoring are essential to make certain there are no abnormalities that signal potential risks.

### Cloud communication solutions provide:

Hardening scripts that follow hundreds of internationally recognized guidelines and benchmarks from respected organizations, such as the Center for Internet Security and the National Institute of Standards and Technology (NIST). You can expect:

- + Operating system hardening with many hundreds of security controls
- + Application security for your voice portal, including SIP access control lists, password policy and enforcement, device lockout, call processing policy and control
- + Network security governing all ports and protocols used

### 3. Availability

Availability involves keeping your systems running at all times. Many factors can impact availability. Human mistakes, like overloading an electrical circuit in a data center, are common. Being hit by a Denial-of-Service Attack that ties up your network, or a rogue backhoe digging up the communication lines connecting your data center to the outside world, are also possible. At any time, you might also be affected by an earthquake, hurricane, or other natural disaster.

#### Cloud communication solutions provide:

- + Redundant server clusters, routers, and data network paths with no single point of failure
- + Geography diversity for optimal redundancy
- + “Hot upgrade” capability so patches and software upgrades can be applied without impacting availability
- + High availability routers, switches and firewalls
- + Scalability to support millions of lines

### 4. Manageability

You shouldn’t have to find and hire expert personnel to set up and run the features of your communication platform. With cloud communications, your service provider is responsible for installing the underlying security features and keeping them current. Rest easy knowing that true experts are in charge.

#### Cloud communication solutions provide:

- + A high-availability, multitenant architecture with security administration provided centrally by your service provider
- + Toolkits to help you easily administer the day-to-day operation of the system



## 5. Assurance

Every company will say its products have “great security.” But assurance involves an independent, third-party confirmation that the right steps have been taken to assure your communication resources are protected and will be there when needed.

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### Cloud communication solutions provide:

Compliance with independent certifications and benchmarks that measure whether security is being handled properly, including:

- + TL 9000
- + ISO 9000
- + ISO 27001
- + FedRAMP
- + NIST SP800-53






# PROTECT YOUR ORGANIZATION BY MOVING TO THE CLOUD TODAY

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End your security headaches once and for all. OneCloudNetworks offers secure cloud communication services and virtual private networks that can deliver the confidentiality, integrity, availability, manageability, and assurance your company needs. Our rock-solid delivery platform provides feature-rich services and is backed by a track-record for exceptional customer service.

**Contact us today to find out more.**

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