

Cloud Security

As more and more companies are adopting cloud-based hosting strategies, the complexity of Cloud Security becomes a growing concern. To avoid security complications in the cloud, companies must choose a cloud provider that not only prioritizes security, but also understands the role security plays across the entire enterprise.



Cloud Security Today:

90% of organizations are utilizing at least one cloud application

50% of companies are struggling with security concerns

94% of SMB cloud adopters report that they have experienced security benefits since moving to the cloud¹



Why are companies moving to the cloud?



When you think of your on-premise security, where do you rank?



- 01 Blocking & Tackling**
The security lacks support, is understaffed and underfunded and a lack of metrics for reporting, tools and business interactions.
- 02 Compliance Driven**
Use a control-based security approach that is aligned to mandatory regulations, such as FEDRAMP, HIPAA, etc.
- 03 Risk-based Approach**
Use behavioral analytics and evaluating new technologies frequently and links events across multiple disciplines along with maintaining proper security certifications.

Cloud service provider vs. on-premise provider

- Stricter access requirements**
Off-site cloud providers require more beefed-up firewalls, security protocols, and access permissions than data stored on-site. On-site security protocols tend to erode over time, while off-site applications have to keep their protocols stringent to meet the expectations of their customers.
- Better physical security**
The area where your data is physically stored by your cloud provider has security around the clock. On-site, your data is forever at the mercy of your least competent or most negligent employees.
- Continuous threat assessment**
Using cloud applications also means developing a threat-assessment model. The model will evaluate vulnerabilities within the application and constantly try to breach them to make them stronger. Few on-site IT teams would go to such lengths.³

Learn about how you can move to the cloud with confidence, and how PTC Cloud Services can you provide a risk-based approach to cloud security for your PTC solutions below:

- [Cloud Services Security Whitepaper](#)
- [Take a Virtual Tour of the Network Operation Center](#)
- [Visit the Cloud Services Security page and speak to a Cloud Expert](#)

¹ 2015 IDG Cloud Computing Survey http://core0.staticworld.net/assets/2015/11/18/idge-cloud-2015_final.pdf
² 2016 Blue Hill Research "PTC Cloud Services- Delivering on the Promise and ROI of Cloud Services" Report <http://bluehillresearch.com/ptc-cloud-services-delivering-on-the-promise-and-roi-of-cloud-services/>
³ 2015, Travis Bickham, 'How the Cloud could help boost your financial data security and compliance' <https://blog.tradeshift.com/how-the-cloud-could-help-boost-your-financial-data-security-and-compliance/>

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