



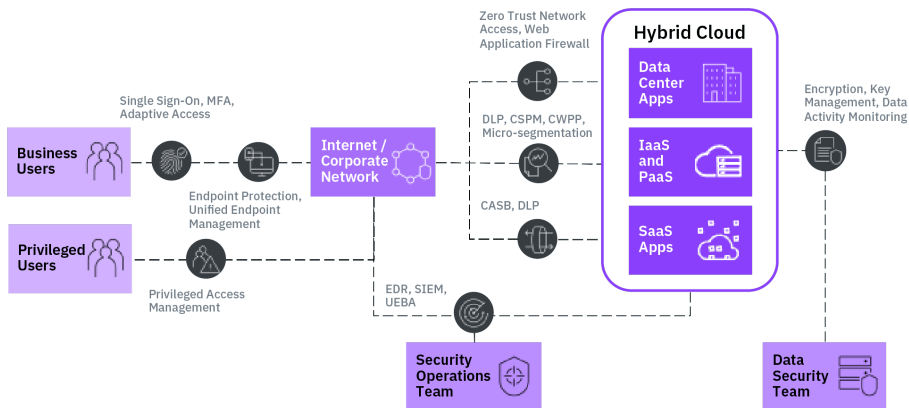
# Protect the Hybrid Cloud with Zero Trust

Digital transformation relies on the hybrid cloud. Deploying security consistently across all cloud environments helps instill confidence and resilience in business operations. A zero trust approach can help organizations modernize operations and allow security to become a business enabler by dynamically adapting to users, datasets and workloads throughout the business – no matter where they are. Protecting the hybrid cloud with zero trust brings centralized visibility, context and management that consistently enforces security policies and helps your organization innovate quickly without delays.

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“Cloud misconfigurations were a leading cause of data breaches according to the 2020 Cost of a Data Breach Report, accounting for nearly 1 in 5 data breaches studied.

- 2020 Cost of a Data Breach Report<sup>1</sup>



Reimagine cloud security with a zero trust approach



## IBM Security Solution Blueprint

To put zero trust into action to protect the hybrid cloud you'll want to consider each of the critical capabilities indicated (●) for the specific security challenge you want to address.

Map hybrid cloud challenges to zero trust capabilities:

|  | Modernizing applications | Adopting SaaS applications | Migrating data and workloads to cloud |
|--|--------------------------|----------------------------|---------------------------------------|
| <b>Get Insights</b>                            |                          |                            |                                       |
| Cyber Risk Management                          | ●                        | ●                          | ●                                     |
| Data Discovery & Classification                | ○                        | ●                          | ●                                     |
| Offensive Testing                              | ●                        | ○                          | ●                                     |
| Vulnerability Management                       | ●                        | ○                          | ●                                     |
| <b>Enforce Protection</b>                      |                          |                            |                                       |
| Activity Monitoring                            | ●                        | ○                          | ●                                     |
| Adaptive Access                                | ●                        | ●                          | ●                                     |
| Cloud Access Security Broker                   | ○                        | ●                          | ○                                     |
| Cloud Workload Protection                      | ●                        | ○                          | ●                                     |
| Data Encryption & Key Management               | ●                        | ○                          | ●                                     |
| Data Loss Prevention                           | ○                        | ●                          | ○                                     |
| Microsegmentation                              | ●                        | ○                          | ●                                     |
| Multi-Factor Authentication                    | ●                        | ●                          | ●                                     |
| Privileged Access Management                   | ●                        | ●                          | ●                                     |
| Secure Access Service Edge                     | ●                        | ●                          | ●                                     |
| <b>Detect &amp; Respond</b>                    |                          |                            |                                       |
| Cloud Security Posture Management              | ●                        | ○                          | ●                                     |
| Endpoint Detection and Response                | ●                        | ●                          | ●                                     |
| Security Information and Event Management      | ●                        | ●                          | ●                                     |
| Security Orchestration Automation and Response | ●                        | ●                          | ●                                     |



**Key metrics for success:**

1. What percentage of your sensitive data is encrypted or obfuscated across all locations, both on-premises and in the cloud?
2. How many security incidents have you had after launching or modifying an application in your cloud environment?
3. What percentage of business units review job roles and entitlements more than once per year?

**Need assistance applying zero trust to your hybrid cloud initiatives?**

Contact us to schedule a no-cost Framing and Discovery Workshop. With this garage-style workshop, our experts will work with you to:

- Map out your business goals and define a zero trust strategy tailored to your specific needs
- Understand the landscape and capabilities offered by your current investments and identify gaps
- Clarify and prioritize zero trust projects and initiatives to ensure demonstrable success.

Visit: <https://www.ibm.com/garage> and select *schedule a consult* to book your workshop. You'll walk away with a prioritized list of zero trust initiatives, a detailed journey map, actionable next steps, and all exercises organized in a PDF outcomes deck.



## Why IBM?

IBM Security offers one of the most advanced and integrated portfolios of enterprise security products and services. The portfolio, supported by world-renowned IBM X-Force® research, provides security solutions to help organizations drive security into the fabric of their business so they can thrive in the face of uncertainty.

IBM operates one of the broadest and deepest security research, development and delivery organizations. Monitoring more than one trillion events per month in more than 130 countries, IBM holds over 3,000 security patents. To learn more, visit [ibm.com/security](http://ibm.com/security).

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## For more information

To learn more about IBM's zero trust approach, please contact your IBM representative or IBM Business Partner, or visit the following websites:

<http://ibm.com/security/zero-trust>