



ENTRUST



On-prem vs. Cloud-based Identity Solutions

Entrust Identity – one portfolio for all your IAM needs





Whether you desire an on-prem or an agile cloud-based solution, Entrust Identity's IAM portfolio provides the strong foundation you need to realize a Zero Trust framework for securing your users, applications networks, and data. With capabilities like high assurance credentials, self service identity verification, industry-best MFA, contextual access controls, and SSO, we offer a holistic security approach for both on-prem and cloud environments. Our solutions go through rigorous quality checks to align with software security standards like FIPS and ISO 27001.

LEARN ABOUT OUR IAM SOLUTIONS AT [ENTRUST.COM](https://www.entrust.com)



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COMPARISON: IDENTITY-CENTRIC SOLUTIONS (ON-PREM VS. CLOUD)

ON-PREMISES Identity Enterprise	COMPARISON PARAMETER	CLOUD Identity as a Service (IDaaS)
<ul style="list-style-type: none">• CapEx investment• On-site team needed for deployment and configuration; additional PS effort required• Remote administration and maintenance for software and license updates	COST 	<ul style="list-style-type: none">• OpEx model with subscription-based pricing• No additional software/hardware upgrade• Maintenance and monitoring included with the service
<ul style="list-style-type: none">• Setup times may be long due to equipment delivery and initial configurations• Integrating an on-prem security solution with existing infrastructure (especially cloud services/platforms) is a time-consuming exercise	TIME 	<ul style="list-style-type: none">• IDaaS setup is completed within minutes as it is software only• The service integrates seamlessly with existing services/platforms using RESTful APIs and federated identity protocols
<ul style="list-style-type: none">• Scaling up requires additional equipment purchase and installation effort	SCALABILITY 	<ul style="list-style-type: none">• Add new workflows or functionalities with dynamic allocation of cloud resources, on demand
<ul style="list-style-type: none">• IT resources are required for monitoring and maintenance• Additional training efforts required to upskill resources	RESOURCES 	<ul style="list-style-type: none">• Minimal requirement of additional resources during and post setup• As per customer demand, IDaaS can be provided as a fully managed service with management and maintenance provided by Entrust experts



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Reasons to migrate to Identity as a Service (IDaaS)

- Avoid the complexity and overheads associated with an on-prem security solution. Choose IDaaS to experience the benefits of an agile digital security solution that is easy to set up and customizes to your needs.
- IDaaS is built on a microservices architecture that makes the solution developer-friendly (easy-to-add new features/capabilities) and resilient to failure (faulty microservices can be isolated). Also, microservices architecture promotes iterative development (CI/CD) philosophy, which makes the service “future proof” to evolving security and technology changes.
- Upgrade data security with AD synchronization to retrieve user information from directories in real time, negating the need to store information on any device.
- Modernize your security posture with an all-inclusive intelligent identity platform that is built on cloud and offered as a service. Single-pane view of system-wide configurations with real-time monitoring of users, entitlements, applications, gateways, and overall system health.
- Access a broad range of authenticators ranging from grid cards to highly secure certificate-based credentials backed by PKI.
- Amplify security with risk-based adaptive access controls that can be modeled as per industry/geo-specific compliance norms and customer preferences.
- Get frictionless authentication of passwordless and single sign-on (SSO) to elevate your end-user experience and productivity.
- Extend the security of IDaaS to your on-prem/cloud-based applications including legacy, using federated authentication protocols, RESTful APIs, and pre-built connectors. The solution can also be fully integrated with SIEM of your choice for evaluating security in real time.
- Enjoy the flexibility of multi-platform support for securely accessing your confidential data from any device, anywhere. To ensure secure access from your smartphones, IDaaS is available on mobile as a standalone app. As well, the solution can seamlessly integrate with custom mobile apps by using a SDK and rich set of APIs available out-of-the-box.
- Unlock the power of cloud-based IAM with capabilities like self-service identity verification, role-based access management, document signing, and encryption to secure your digital infrastructure.



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Securing your hybrid enterprise

With time, organizations are steering towards becoming truly hybrid. There are hybrid workplace models in play, where employees can work from home as well as office premises. Applications and workloads are increasingly residing on multi cloud and on-prem environments to attain on-demand scalability, better performance and high availability. As well, there is no defined user base – there are employees, contractors, third party vendors and customers who want secure access from anywhere. They use a variety of devices ranging from office issued laptops to personal smartphones. To secure such a challenging enterprise setup, an organization needs to look beyond securing the perimeter.

At Entrust Identity, we have realized that the traditional “moat and castle” approach may not work anymore. To achieve a perimeterless security design, you need strong authentication protocols to verify users and devices, and restricted access controls to mitigate the risk of unauthorized entry. Entrust’s Identity as a Service with its extensive set of capabilities across the IAM lifecycle is the right solution to protect your identities.

ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments, and data protection. Today more than ever, people demand seamless, secure experiences, whether they’re crossing borders, making a purchase, accessing e-government services, or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it’s no wonder the world’s most entrusted organizations trust us.



Learn more at
[entrust.com](https://www.entrust.com)



Global Headquarters
1187 Park Place, Minneapolis, MN 55379
U.S. Toll-Free Phone: 888 690 2424
International Phone: +1 952 933 1223