

Better Security, Reduced Operating Costs and Faster Onboarding

NTT DATA Integrated Access Management

Benefits:

NTT DATA Integrated Access ManagementSM solutions and consulting services are designed to drive successful ABAC adoption and implementation, as well as changes in organizational behaviors and overall IAM effectiveness. We address business problems with technology-based solutions:

- Risk controls and compliance advisory services
- Data and analytics for data governance
- Organizational and change management processes
- Information security certifications
- Integrated ABAC model

User credentials are often hackers' favorite tools for breaching your network. And as the business environment becomes more complex, network security threats only increase. Common problems include role explosion, role accumulation and application architecture brittleness. As a result, identity and access management (IAM) has become costlier and more volatile than ever.

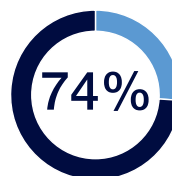
According to the National Institute of Standards Technology (NIST), attribute-based access control (ABAC) reduces enterprise risks, such as insider threats, loss of personally identifiable information and fraud.¹ ABAC requires companies to be able to not only positively identify (authenticate) users but also their access control (authorization). NTT DATA's answer to the authorization challenge is an integrated ABAC solution built on NIST standards that uses a suite of commercially available products.

The NTT DATA Integrated Access ManagementSM program addresses the major gaps found in role-based access control (RBAC) systems, where multiple user profiles must be built for multiple systems. Our approach simplifies the process by building, managing, updating and monitoring one profile for all systems in one place. This reduces onboarding to just one to five days – a huge time and cost savings from the typical 45 days RBAC models require for access management. What's more, it also simplifies application maintenance while reducing threats.

Operational cost impacts



Cost per new employee for onboarding and tech*



Percentage of IT professionals in the US who believe the use of unauthorized programs resulted in as many as half of their companies' data loss.**



The global average of onboarding times for banks and investment managers*

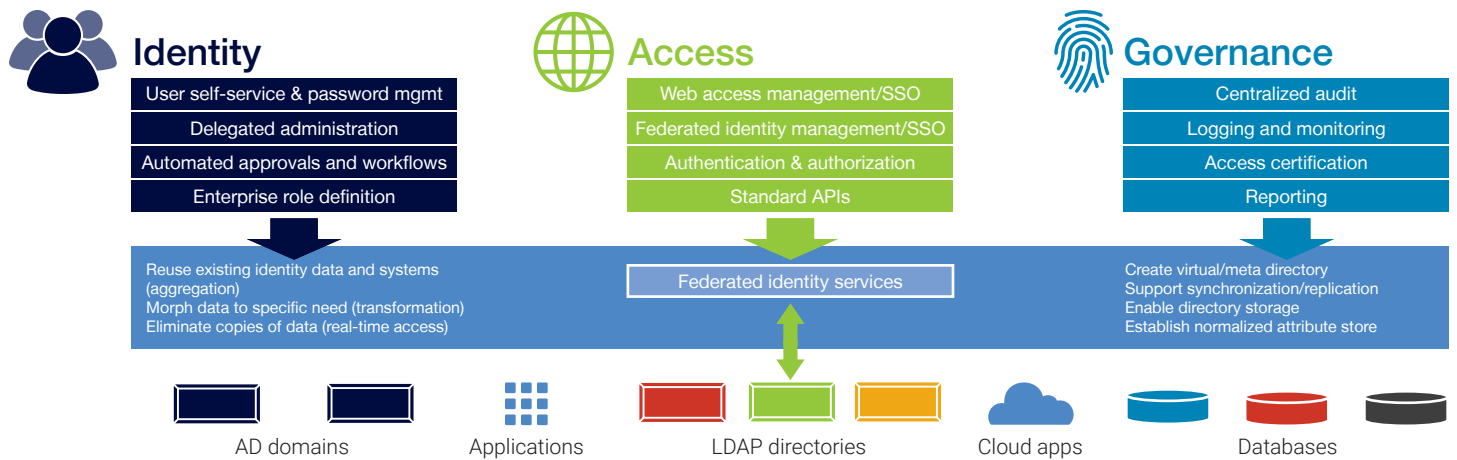


The average annual onboarding spend*

* Estimates based on our findings working with a diverse array of companies across the globe.

** Source: https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/data-loss-prevention/white_paper_c11-499060.html

NTT DATA Integrated Access Management



NTT DATA Integrated Access Management combines a centralized identity data service, streamlined access control and a central access point for decision-making. This reduces operating costs, alleviates the strain on resources and accelerates employee onboarding.

Think big, start small, scale fast

Our IAM approach merges business consulting expertise with integrated solutions and delivery options to improve your organization's platforms, applications and data access controls. We combine applications for centralized ID service with an ABAC model and a centralized application access point.

NTT DATA ensures a smooth transition to ABAC by:

- Making incremental changes and testing frequently, so you can evolve policies and controls only after you've seen success.
- Focusing on transitioning just a few key attributes for both the subject (user) and the core attributes (such as job title and department).
- Identifying easier-to-transition systems. This doesn't have to be only a technical consideration; we look for system owners who are open to a new model. For risk-averse cultures, the best course of action may be to transition back-office systems first.
- Embracing the DevOps model,
- so you can scale fast without losing control.

Consulting approach

Culture change, combined with implementing new technology, is one of the most difficult challenges leadership faces. Our IAM consulting practice understands that this process requires a deep commitment to personal, organizational and technological change, as well as a significant investment of both time and resources. When you engage with NTT DATA, our experienced team of consultants leverages its knowledge of organizational change management processes to:

- Establish a clear, strategic vision for your organization
- Model changes at the highest levels
- Teach your team new behaviors through hands-on learning

By making a long-term commitment, we'll help your organization reach its IAM goals.

Ready to start a conversation?

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Regulatory actions

- U.S. Securities and Exchange Commission fined JDA Software \$750,000 for inadequate data controls.²
- A global financial services company was fined \$1 million for a breach that gave employees unauthorized access to customer data.³

¹ National Cybersecurity Center of Excellence. "Attribute Based Access Control". National Institute of Standards Technology. September 2017. <https://www.nccoe.nist.gov/sites/default/files/library/fact-sheets/abac-fact-sheet.pdf>

² U.S. Securities and Exchange Commission. "SEC Charges Arizona-Based Software Company for Inadequate Internal Accounting Controls Over Its Financial Reporting." Press release. September 25, 2014. <https://www.sec.gov/news/press-release/2014-216>

³ U.S. Securities and Exchange Commission. "SEC: Morgan Stanley Failed to Safeguard Customer Data." Press release. June 8, 2016. <https://www.sec.gov/news/pressrelease/2016-112.html>

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NTT DATA Services, a global digital business and IT services leader, is the largest business unit outside Japan of NTT DATA Corporation and part of NTT Group. With our consultative approach, we leverage deep industry expertise and leading-edge technologies powered by AI, automation and cloud to create practical and scalable solutions that contribute to society and help clients worldwide accelerate their digital journeys.

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