ForgeRock Intelligent Access Trees

Consumer identity and access orchestration for the modern enterprise

Orchestrate Flexible and Secure Customer Journeys

It's not just e-commerce. Every business is now an internet business. Consumers are demanding the convenience of online services in all areas of their lives. How is your business delivering?

Your customers want easy, secure access to your services from any device. They want to manage their own account preferences. And they want you to know who they are across channels — web, call center, and physical locations.

With legacy identity and access management (IAM) solutions, and digital identities stored in multiple systems, it can be difficult to design, test, and deploy secure, cross-channel customer journeys.

ForgeRock Intelligent Access, also known as "trees," is a no-code identity and access orchestration engine that lets you create, test, and deploy user journeys quickly and easily. Drag and drop pre-built nodes and wire them together for different login scenarios that allow multiple paths and decision points. Incorporate anti-fraud signals, user, device, and location context. And provide users with the shortest, most secure path to what they need using AI logic.

Key Benefits

Design Flexible and Seamless User Journeys
Drag and drop and string together amazing user journeys. Customize, test, and deploy in minutes, not days or weeks.

Onboard Users Faster
Reduce customer frustration and abandonment rates. Optimize registration, authentication, and account management flows.

Save Time and Resources
Create the right journeys for each user and market. Support legacy and modern applications hosted on-premises, in the cloud, or across hybrid and multi-cloud environments.

Capabilities

Flexible and Seamless User Journeys
Design tailored experiences for every login attempt based on the level of risk — all with a simple drag-and-drop interface.

Powerful and Efficient Administration
Organize, A/B test, and optimize user journeys. Visualize success and failure rates with the dynamic analytics dashboard.

Extensive Self-Service Capabilities
Allow users to manage their credentials, access requests, and preferences themselves. Infuse user registration, account recovery, and progressive registration profiles directly into an authentication flow.
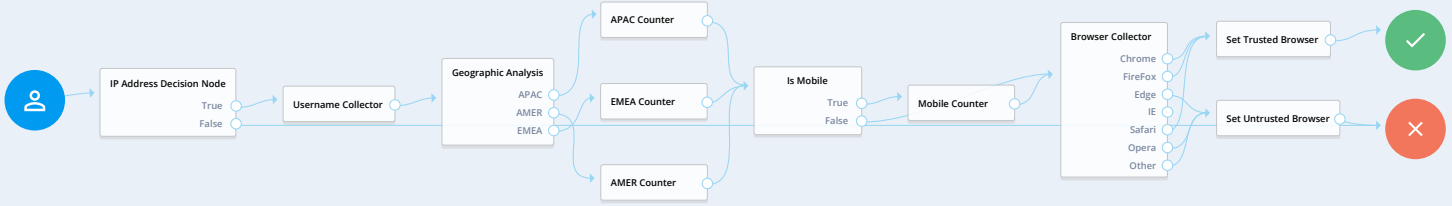
Contextual and Adaptive Authentication
Customize journeys based on each user's attributes including local language, location, brand preferences, and accessibility requirements.

Example Authentication Journey

Identity Orchestration is as Easy as 1-2-3

1. Design your user experience in minutes.

Drag, drop, and connect actions together to create a journey. Use ready-to-deploy journeys or build your own.

2. Rapidly test, debug, and deploy.

Visualize and A/B test journeys to gauge user preferences and engagement. View performance metrics over time and fine-tune with a few clicks.

3. Personalize and protect.

Embed security and AI to block cybercrime and fraud. Create personalized, risk-adjusted journeys.

Robust and Extensive Capabilities

Use the industry's largest library of out-of-the-box orchestration nodes to build user journeys for multiple use cases. Connect to 120+ pre-built and tested journeys developed with our private sector partner network.

The Proven Identity Orchestration Solution

Choose the orchestration solution that is used in more than 1,300 customer environments worldwide with 4 billion identities under management.

Orchestration for Hybrid IT Environments

Orchestrate across on-premises, cloud, hybrid, SaaS. Bridge the gap between old and new with the ForgeRock Identity Gateway, allowing you to modernize at your own pace.

Fully Integrated Platform for All Identities

Because orchestration is fully integrated into the ForgeRock Identity Platform, no connectors are needed. You can orchestrate journeys at scale for consumer, workforce, and IoT identities. Integrate device context into journeys using ForgeRock SDKs.

Business Outcomes[1]

40% **Cost Reduction**
40% reduction in security-related calls to the call center.

$5.9M **Improved Time-To-Value**
Reduced login time, increased conversion rates and improved customer lifetime value.

$1.3M **Avoided Development Costs**
Reduced custom development work and avoided development costs equivalent to eight full-time equivalents (FTEs) for one year.

$4.7M **Fraud Impact Reduction**
Reduced instances of fraud, resulting in $4.7 million in savings.

Intelligent Access Nodes Available Out-of-the-Box

Intelligent Access nodes are single units of work that are pre-programmed to define specific actions. ForgeRock offers an extensive set of no-code nodes that you can use to build orchestrated user journeys.

Note: The availability of nodes will depend on the package purchased and your deployment model. Check your product documentation for the most up-to-date information.

Authentication Nodes

Authenticate against different data stores.

- Collect Username
- Collect Password
- Authenticate with LDAP
- Kerberos Authentication
- Any Repository Authentication
- Header Based Authentication
- Platform Username
- Platform Password

Multi-Factor Authentication (MFA) Nodes

Support MFA for different use cases, balancing security and usability.

- Generate HOTP
- Verify OTP
- Send OTP by Email
- Send OTP by SMS
- Send Push notification
- Verify Push Result
- Verify Recovery Code
- Display Recovery Code
- WebAuthN Authentication
- Store WebAuthN Device
- Register WebAuthN

Adaptive Access Nodes

Adjust access based on risk, behavior, device profile, and other user attributes.

- Verify Account Active Status
- Verify Account Lockout Status
- Verify Authentication Level
- Modify Authentication Level
- CAPTCHA
- Increment Login Count
- Verify Login Count
- Collect Certificate
- Validate Certificate

- Extract User From Certificate
- Verify Cookie Presence
- Collect Device Profile
- Save Device Profile
- Match Device
- Match Device Profile Location
- Device GeoFencing
- Verify Device Tampering
- Verify Persistent Cookie
- Set Persistent Cookie

Federation Nodes

Support B2B integration with partners, contractors, and vendors.

- SAML Authentication
- OAuth 2.0 Authentication
- OpenID Connect Authentication
- Provision Dynamic Account
- Provision with IDM Account
- Authenticate with Selected Social Provider
  - Amazon
  - Apple
  - Facebook
  - Google
  - Instagram
  - Itsme
  - LinkedIn
  - Microsoft
  - Salesforce
  - Twitter
  - VK (Vkontakte)
  - WeChat
  - WordPress
  - Yahoo
- Link Social Account
- Ignore Social Profile
- Select Identity Provider

Identity Management Nodes

Manage user profiles, consent, and identity information.

- Accept Terms and Conditions
- Map Anonymous Use
- Upgrade Anonymous Session
- Collect User Attributes
- Verify Attribute Present
- Verify Attribute Value
- Create custom Object
- Update Object
- Create Password
- Collect Consent
- Display Username
- Identify Existing User
- Check user security question status
- Collect user security question and answers
- Verify user security answers
- Verify Profile Completeness
- Verify User Attributes
- Verify Required user Attributes are Present
- Verify Terms and Conditions
- Verify Time Since
- Just in time Provisioning

Utility Nodes

Simplify complex business workflows into easy-to-use authentication journeys.

- Verify Agent Data Store
- Collect User Choice
- Verify User Email
- Send Email
- Redirect on Failure

- Redirect on Success
- Get Session Data
- Execute A Different Journey
- Display Message
- Increment Metric
- Generate Page
- Pause Authentication
- Register Logout Webhook
- Remove Session Properties
- Set Session Data
- Verify Retry Limit
- Scripted Decision (Internal ForgeRock APIs)
- Scripted Decision (External System APIs)
- Dynamic Scripted Configuration
- Timer Start
- Timer Stop

IoT Authentication Nodes

Manage the full lifecycle of IoT devices on your network.

- Register IoT Devices
- Authenticate IoT Devices

Autonomous Access User Entity Behavior Analytics (UEBA) Nodes

Identify differences between normal behaviors and emerging threat patterns using AI and ML.

- Autonomous Access Signal
- Autonomous Access Decision
- Autonomous Access Result

To learn more about ForgeRock Intelligent Access, read the white paper,
"[An Introduction to ForgeRock Intelligent Access](#)"

About ForgeRock

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ForgeRock®, (NYSE: FORG) is a global leader in digital identity that delivers modern and comprehensive identity and access management solutions for consumers, employees and things to simply and safely access the connected world. Using ForgeRock, more than 1300 global customer organizations orchestrate, manage, and secure the complete lifecycle of identities from dynamic access controls, governance, APIs, and storing authoritative data – consumable in any cloud or hybrid environment. The company is headquartered in San Francisco, California, with offices around the world. For more information and free downloads, visit **www.forgerock.com**.

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