



Powered by
NEXTLABS
Dynamic Authorization

THE SITUATION

The widespread adoption of cloud computing and cloud applications has introduced new challenges with respect to application and data protection. Implementing consistent authorization policies across the entire enterprise is critical to ensuring your organization's data stays safe. Organizations need to control access to sensitive information that is stored in applications but must ensure that it is only available to authorized users. Each application and system silo has authorization policies that are redundant, difficult to change, and costly to maintain. Today's tools do not allow businesses to define their own policies nor do they allow IT to deploy them easily across applications and systems.

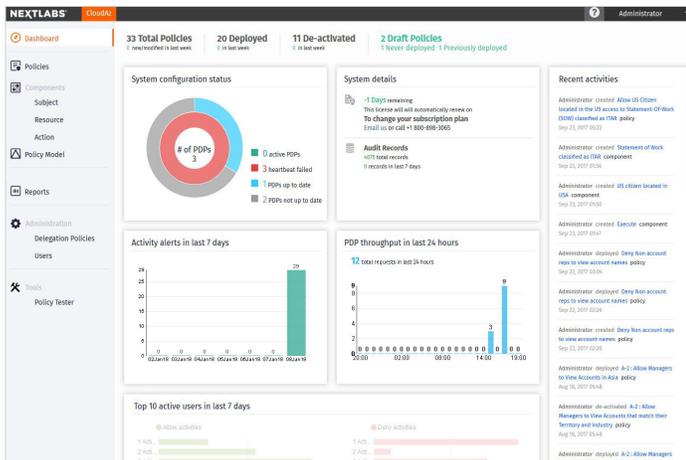


OVERVIEW

CloudAz is the industry's first cloud authorization service providing dynamic authorization and attribute-based access control (ABAC) in the cloud. For instance, CloudAz allows you to centrally view and control who can access which parts of an application, which business transactions a user is allowed to submit, what types of data they are allowed to see, and what they can do with that data.

CloudAz provides the following key capabilities:

- Centralized authorization management
- Integration of any application with CloudAz
- Application and data security
- Simple policy creation
- Activity monitoring and audit



CloudAz Dashboard

KEY BENEFITS

CloudAz enables organizations to reap the following benefits:

- Help secure your organization's web applications, micro-services, mobile apps, and other applications, regardless of where they are deployed
- Expedite application development and react rapidly to changes in business requirements, market conditions, or regulatory requirements
- Reduce the cost of compliance through more efficient and cost-effective monitoring and audit of your data
- Simplify policy management across multiple applications

KEY FEATURES

Feature	Detail
Centralized authorization management	Centrally manage and review authorization policies across applications and services
Integration with any application	Integrate with and protect single-page web applications, mobile apps, micro-services, and even legacy applications
Application and data security	Control access at the application, transaction, data record, and cell level
Simple policy creation	Business users can create policies in the web-based UI without help from IT
Activity monitoring & audit	Track and store user and data access activity across apps and services in a central audit repository

HOW IT WORKS

CloudAz can be deployed as a standalone cloud authorization service or in a hybrid model whereby applications and policy enforcement points can be either in the cloud or on-premises.

The solution is powered by a dynamic authorization engine, which utilizes ABAC to determine if access should be granted. ABAC considers real-time contextual information to make sure that all qualifications are met. These qualifications are based on user, environment, and resource characteristics (“attributes”) and are evaluated in real-time to determine whether a user should gain access to your applications, APIs and services, business transactions, and data.

Dynamic authorization is enforced across all your applications and services, whether they are on-premises or in public, private, or hybrid clouds. Dynamic authorization accounts for changes in user status or changes in the resource. For instance, if an employee moves to a different department within the company, no new policy needs to be created since policies are evaluated against the latest set of attributes without the need for manual intervention. NextLabs updates them automatically when evaluating access.

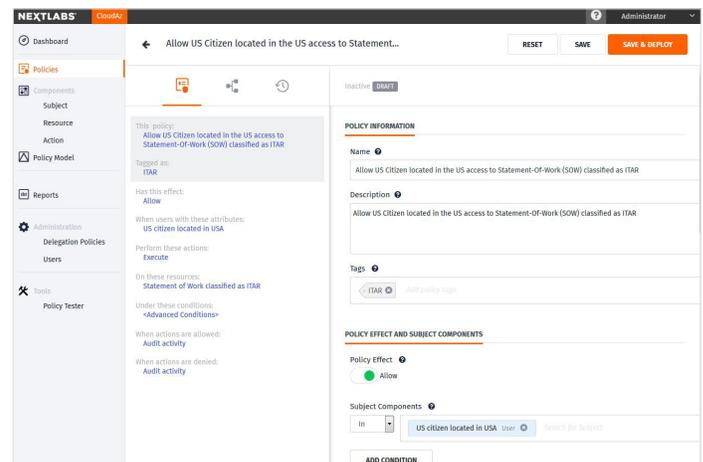
Authorization policies utilize natural language statements, making it easy for business users to create their own policies without IT’s help, and are centrally managed to provide consistent policy enforcement across the enterprise. As the business environment and requirements change, policies can be updated quickly and easily, and automatically enforced -- even when allowing access to partners and other third parties. For example, a policy that determines which accounts a user can view in your CRM system can also control what the user can view in SharePoint.

APIS/SDKS

You can integrate your own custom applications into CloudAz through the use of APIs and SDKs. By doing so, you can centrally manage authorization policies for your custom applications, just as you can for your commercial applications.

The following is a list of supported application types and their associated SDKs.

Application	SDK
Java	Java SDK
JavaScript	JavaScript SDK
C, C++	C, C++ SDK
C#, .NET	C#, .NET SDK
PHP	REST API
Microsoft COM	C++ SDK
Cloud services	REST API



CloudAz Policy Setting

ABOUT NEXTLABS

NextLabs provides data-centric security software to protect business-critical data and applications. Our patented dynamic authorization technology and industry-leading attribute-based policy platform help enterprises identify and protect data, monitor and control access to sensitive data, and help prevent regulatory violations—whether on the cloud or on premise.

The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders.

For more information on NextLabs, please visit <http://www.nextlabs.com>