AXIOMATICS

Product Sheet

Fine-grained Access Control for Web Access Management

The Axiomatics Extension for CA Single Sign-On

Benefits in Brief

- **Easy implementation** as part of any Single Sign-On set up.
- **Increases security of CA Single Sign-On** with an extra layer of dynamic authorization.
- **Delivers context-aware authorization** based on a multitude of external access control factors.
- **Ensures compliance and governance requirements are met** by enforcing fine-grained access controls.
- **Streamlines policy management** as policies can be added or edited centrally - no extra code needs to be written.
- **Supports easy auditing of policies** thanks to user-friendly policy editor.

Gartner predicts 2015
"By 2020, 70% of enterprises will use Attribute Based Access Control (ABAC) as the dominant mechanism to protect critical assets, up from less than 5% today."

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Enhance CA Single Sign-On and share sensitive data securely

If your organization uses CA Single Sign-On for web access management, you are undoubtably aware of the powerful capabilities it offers. However, providing authentication and authorization in a wide range of architectures, while supporting browsers across multiple devices, has its limitations and can lead to compromises in security.

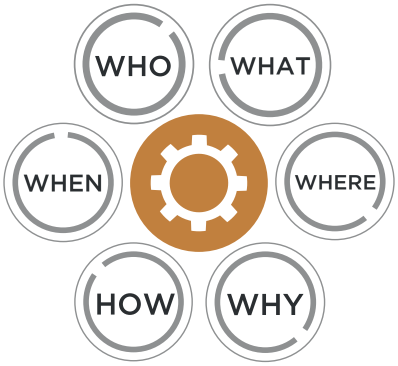
If you have sensitive and/or business critical data, security is paramount. At the same time the ability to share this data instantly can often make a big difference to business operations. Therefore it's imperative to enhance your Web Access Management system to meet demanding business requirements.

Increase security with Attribute Based Access Control

CA Single Sign-On is designed to support Role Based Access Control (RBAC). This traditional, static method of controlling authorization cannot be relied on to protect sensitive data, as it does not take into account the context in which data is accessed, beyond the roles of the user and the data itself.

Therefore, CA Single Sign-On also provides basic context-aware access controls that enforce authorization based on time and network restrictions, and other HTTP request details, such as header variables. Although this increases security, it is not sufficient to protect highly sensitive or business critical data.

To achieve this, a more dynamic form of authorization, namely Attribute Based Access Control (ABAC), is required. This adds a layer of fine-grained, policy based authorization to CA Single Sign-On, protecting data without impacting the speed of web access management.



The ABAC model brings fine-grained, context aware to web access management

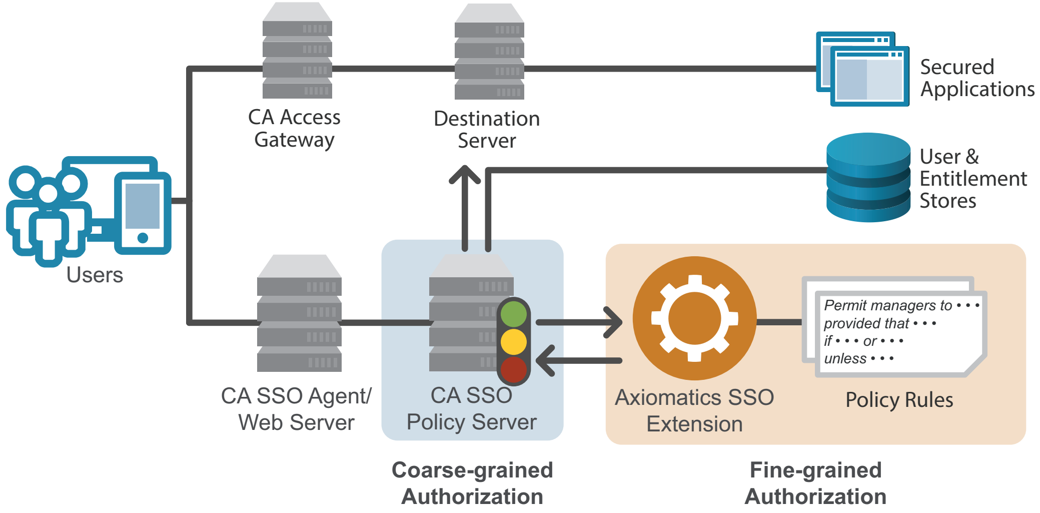
The *attribute-based* way to provide secure access to data

The Axiomatics Extension for CA Single Sign-On delivers dynamic authorization for web access management by enforcing user permissions based on corporate policies and regulations.

This level of fine-grained access control not only allows you to manage who can access what information under what conditions, i.e. type of data, time, location, role and device in use; but also control the actions individuals can perform, such as edit or view a document and create, sign off, or view a transaction. This is all done in real-time to provide the level of service required by users in today's on-demand society.

Additionally, all policies are stored, managed and enforced from one central point in the Axiomatics Extension for CA Single Sign-On. Any changes to policies are therefore easy to implement throughout the IT environment as they only need editing once, centrally, and they can be changed as quickly as requirements change.

Standard API integration for fine-grained access control



How the Axiomatics Extension for CA Single Sign On Works

- An authorization request is passed to a CA Single Sign-On Policy Server.
- If the realm or a component of the request has a Single Sign-On Active Policy with the Axiomatics Extension defined, the request is forwarded to the Axiomatics Single Sign-On Extension.
- The attributes and context of the request are evaluated against organizational policies.
- The Axiomatics Extension for CA Single Sign-On PERMITS or DENIES access to the requested information or service.

Find out how you can increase security of your web access management solution and protect sensitive and business critical data. Contact webinfo@axiomatics.com to learn more about our standard extension for CA Single Sign-On.

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