

Canadian Access Federation: Trust Assertion Document (TAD)

1. Purpose

A fundamental requirement of Participants in the Canadian Access Federation is that they assert authoritative and accurate identity attributes to resources being accessed, and that Participants receiving an attribute assertion protect it and respect privacy constraints placed on it by the asserting Participant.

To accomplish this practice, CANARIE requires Participants to make available to all other Participants answers to the questions below.

1.1 Canadian Access Federation Requirement

Currently, the community of trust is based on “best effort” and transparency of practice. Each Participant documents, for other Participants, their identity and access management practices, which they can confidently meet. Each Participant should make available to other Participants basic information about their identity management system and resource access management systems registered for use within the Canadian Access Federation. The information would include how supported identity attributes are defined and how attributes are consumed by services.

1.2 Publication

Your responses to these questions must be:

1. submitted to CANARIE to be posted on the CANARIE website; and
2. posted in a readily accessible place on your web site.

You must maintain an up-to-date Trust Assertion Document.

2. Canadian Access Federation Participant Information

2.1.1. Organization name: *Athabasca University*

2.1.2. Information below is accurate as of this date: *January 17, 2019*

2.2 Identity Management and/or Privacy information

2.2.1. Where can other Canadian Access Federation Participants find additional information about your identity management practices and/or privacy policy regarding personal information?

<http://ous.athabascau.ca/policy/> Athabasca University's policies can be found through our Policies website.

2.3 Contact information

2.3.1. Please list person(s) or office who can answer questions about the Participant's identity management system or resource access management policy or practice.

Name: *Graeme Denney*

Title or role: *Deputy CIO*

Email address: *gdenney@athabascau.ca*

Telephone: *780.886.8768*

3. Identity Provider Information

Two criteria for trustworthy attribute assertions by Identity Providers are: (1) that the identity management system be accountable to the organization's executive or business management, and (2) the system for issuing end-user credentials (e.g., userids/passwords, authentication tokens, etc.) has in place appropriate risk management measures (e.g. security practices, change management controls, audit trails, accountability, etc.).

3.1 Community

- 3.1.1. As an Identity Provider, how do you define the set of people who are eligible to receive an electronic identity? If exceptions to this definition are allowed, who must approve such an exception?

All staff, students, faculty, board of governors, and alumni have valid electronic identities at Athabasca University. Any and all exceptions to this rule are approved by the Chief Information Security Officer. Contractors are provided with an electronic identity for a specific period of time with business justification via contractual agreement.

- 3.1.2. What subset of persons registered in your identity management system would you identify as a "Participant" in SAML identity assertions to **CAF** Service Providers?

All staff, students, faculty, board of governors, and alumni.

3.2 Electronic Identity Credentials

- 3.2.1. Please describe, in general terms, the administrative process used to establish an electronic identity that results in a record for that person being created in your electronic identity database? Please identify the office(s) of record for this purpose.

All identities are processed through the Registrar's office for students and Human Resources for staff/faculty. Once students are registered and staff/faculty have a payroll authorization form processed, their accounts are automatically created through various system processes. Office of record is the office of registrar for students, and HR for staff, faculty, and contractors.

- 3.2.2. What authentication technologies are used for your electronic identity credentials (e.g., Kerberos, userID/password, PKI, ...) that are relevant to Canadian Access Federation activities? If more than one type of electronic credential is issued, how is it determined who receives which type? If multiple credentials are linked, how is this managed (e.g., anyone with a Kerberos credential also can acquire a PKI token) and audited?

Athabasca University authentication technologies utilize a username/password combination.

- 3.2.3. If your electronic identity credentials require the use of a secret password or PIN, and there are circumstances in which that secret would be transmitted across a network without being protected by encryption (e.g., "clear text passwords" are used when accessing campus services), please identify who in your organization can discuss with any other Participant concerns that this might raise for them:

Athabasca University never uses clear text. All concerns over the transference of identity credentials can be addressed by Deputy CIO Graeme Denney (gdenney@athabascau.ca, 780-509-7600)

- 3.2.4. If you support a “single sign-on” (SSO) or similar campus-wide system to allow a single user authentication action to serve multiple applications, and you will make use of this to authenticate people for **CAF** Service Providers, please describe the key security aspects of your SSO system including whether session timeouts are enforced by the system, whether user-initiated session termination is supported, and how use with “public access sites” is protected.

Not applicable for CAF services.

- 3.2.5. Are your primary electronic identifiers for people, such as “NetID,” eduPersonPrincipalName, or eduPersonTargetedID considered to be unique for all time to the individual to whom they are assigned? If not, what is your policy for re-assignment and what is the interval between such reuse?

Our primary identifier is considered to be unique for all entries in our identity management system. This uniqueness is validated at the time of creation and we do not delete users from the system.

3.3 Electronic Identity Database

- 3.3.1. How is information in your electronic identity database acquired and updated? Are specific offices designated by your administration to perform this function? Are individuals allowed to update their own information on-line?

Information is updated at the user request but must be processed by an IT staff member. Users are allowed to change their passwords without assistance, but all other information changes require approval.

- 3.3.2. What information in this database is considered “public information” and would be provided to any interested party?

Information in our online directory (<https://www.athabascau.ca/cgi-bin/phone.sh>) is considered public and could be accessed by any interested member of the public. All other information would be considered protected although not necessarily deemed as personally identifiable information.

3.4 Uses of Your Electronic Identity Credential System

- 3.4.1. Please identify typical classes of applications for which your electronic identity credentials are used within your own organization.

Any service that the university requires for university business can use our electronic identity credentials to identify users.

3.5 Attribute Assertions

Attributes are the information data elements in an attribute assertion you might make to another Canadian Access Federation Participant concerning the identity of a person in your identity management system.

3.5.1. Please describe the reliability of your identity provider attribute assertions?

Our assertions are limited at this point and merely differentiate between classes of individuals and do not specifically delineate between job functions or information access rights. Attributes are based upon the attributes in our ERP and are trusted by our institution.

3.5.2. Would you consider your attribute assertions to be reliable enough to:

a) control access to on-line information databases licensed to your organization?

Yes
No

b) be used to purchase goods or services for your organization?

Yes
No

c) enable access to personal information such as student record information?

Yes
No

3.6 Privacy Policy

Canadian Access Federation Participants must respect the legal and organizational privacy constraints on attribute information provided by other Participants and use it only for its intended purposes.

3.6.1. What restrictions do you place on the use of attribute information that you might provide to other Canadian Access Federation participants?

All information provided by Athabasca University must only be used in accordance the privacy policy referenced below.

3.6.2. What policies govern the use of attribute information that you might release to other Canadian Access Federation participants?

The Privacy Policy.

3.6.3. Please provide your privacy policy URL.

<https://www.athabascau.ca/privacy/>

4. Service Provider Information

Service Providers, who receive attribute assertions from another Participant, shall respect the other Participant's policies, rules, and standards regarding the protection and use of that data. Such information must be used only for the purposes for which it was provided.

Service Providers are trusted to ask for only the information necessary to make an appropriate access control decision, and to not misuse information provided to them by Identity Providers. Service Providers must describe the basis on which access to resources is managed and their practices with respect to attribute information they receive from other Participants.

4.1 Attributes

4.1.1. What attribute information about an individual do you require in order to manage access to resources you make available to other Participants? Describe separately for each service application that you offer to CAF participants.

Off Campus users of eduroam wireless access are authenticated by their own institution based on their own domain such as 'user@athabascau.ca'.

4.1.2. What use do you make of attribute information that you receive in addition to basic access control decisions?

None.

4.1.3. Do you use attributes to provide a persistent user experience across multiple sessions?

No.

4.1.4. Do you aggregate session access records or record specific information accessed based on attribute information.

No.

4.1.5. Do you make attribute information available to other services you provide or to partner organizations?

No.

4.2 Technical Controls

4.2.1. What human and technical controls are in place on access to and use of attribute information that might refer to only one specific person (i.e., personally identifiable information)? For example, is this information encrypted for storage in your system?

Access to information is restricted to those individuals who have been authorized for the performance of their work. Information is not encrypted for storage. We do not store third party information.

- 4.2.2. Describe the human and technical controls that are in place on the management of super-user and other privileged accounts that might have the authority to grant access to personally identifiable information?

There are only a few administrators with access to the systems being used for Eduroam and all changes to systems are logged according to our Change Management Standards and Procedures.

- 4.2.3. If personally identifiable information is compromised, what actions do you take to notify potentially affected individuals?

If Personally Identifiable Information (PII) is compromised, appropriate contact to affected individuals will be conducted by the FOIP officer on campus in cooperation with IT staff members.

5. Other Information

5.1 Technical Standards, Versions and Interoperability

- 5.1.1. Identify the SAML products you are using. If you are using the open source Internet2 Shibboleth products identify the release that you are using.

Athabasca University's current production version of CAS is 3.4.10; we are moving to CAS version 5.2.6 in February 2019.

- 5.1.2. What operating systems are the implementations on?

CAS is on Red Hat Linux, ADFS is on Windows Server 2018 r2.

- 5.1.3. What versions of the SAML protocol (1.1 or 2.0) do you support in your implementations.

SAML 1.1

SAML 2.0 (CAS, ADFS)

5.2 Other Considerations

- 5.2.1. Are there any other considerations or information that you wish to make known to other Canadian Access Federation Participants with whom you might interoperate? For example, are there concerns about the use of clear text passwords or responsibilities in case of a security breach involving identity information you may have provided?

N/A.