



Goals

Manage complex **provenance metadata** in identity information, thus providing transparency and accountability.



Outcomes

Successful prototype, integrated into **midPoint**, an open source identity governance platform.

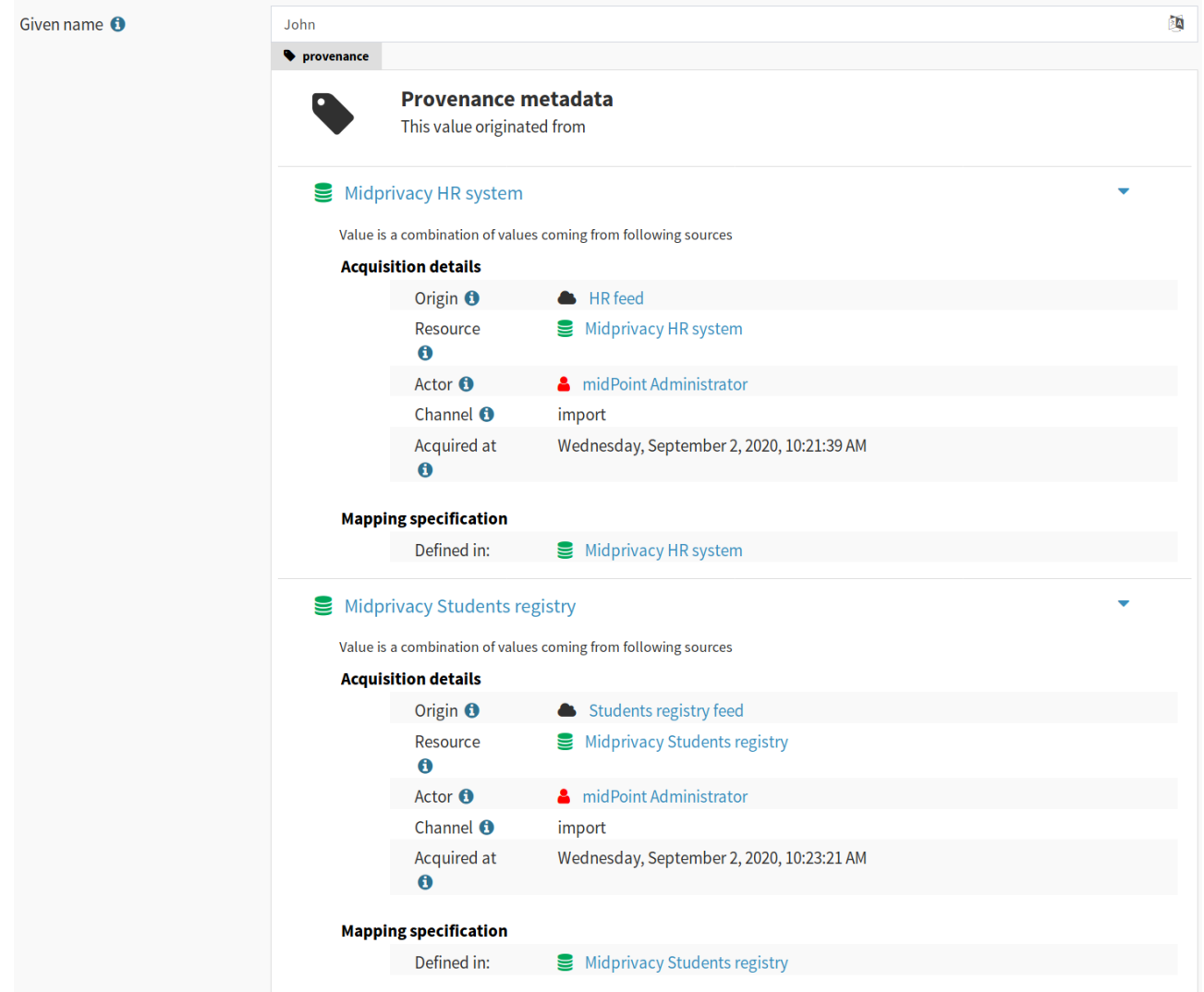
End-to-End Metadata

Metadata managed from the sources all the way to GUI.

Complex metadata schema specified using **Axiom**, new metadata-aware schema language.

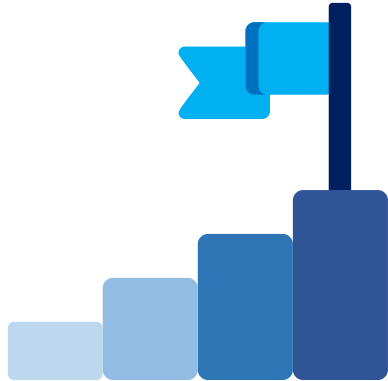
Future

Personal data protection



The screenshot displays the 'provenance' section for a user named 'John'. It details the acquisition and mapping of data from two sources: 'Midprivacy HR system' and 'Midprivacy Students registry'. Each source section includes acquisition details such as origin, resource, actor, channel, and acquisition time, as well as mapping specifications.

Source	Origin	Resource	Actor	Channel	Acquired at
Midprivacy HR system	HR feed	Midprivacy HR system	midPoint Administrator	import	Wednesday, September 2, 2020, 10:21:39 AM
Midprivacy Students registry	Students registry feed	Midprivacy Students registry	midPoint Administrator	import	Wednesday, September 2, 2020, 10:23:21 AM



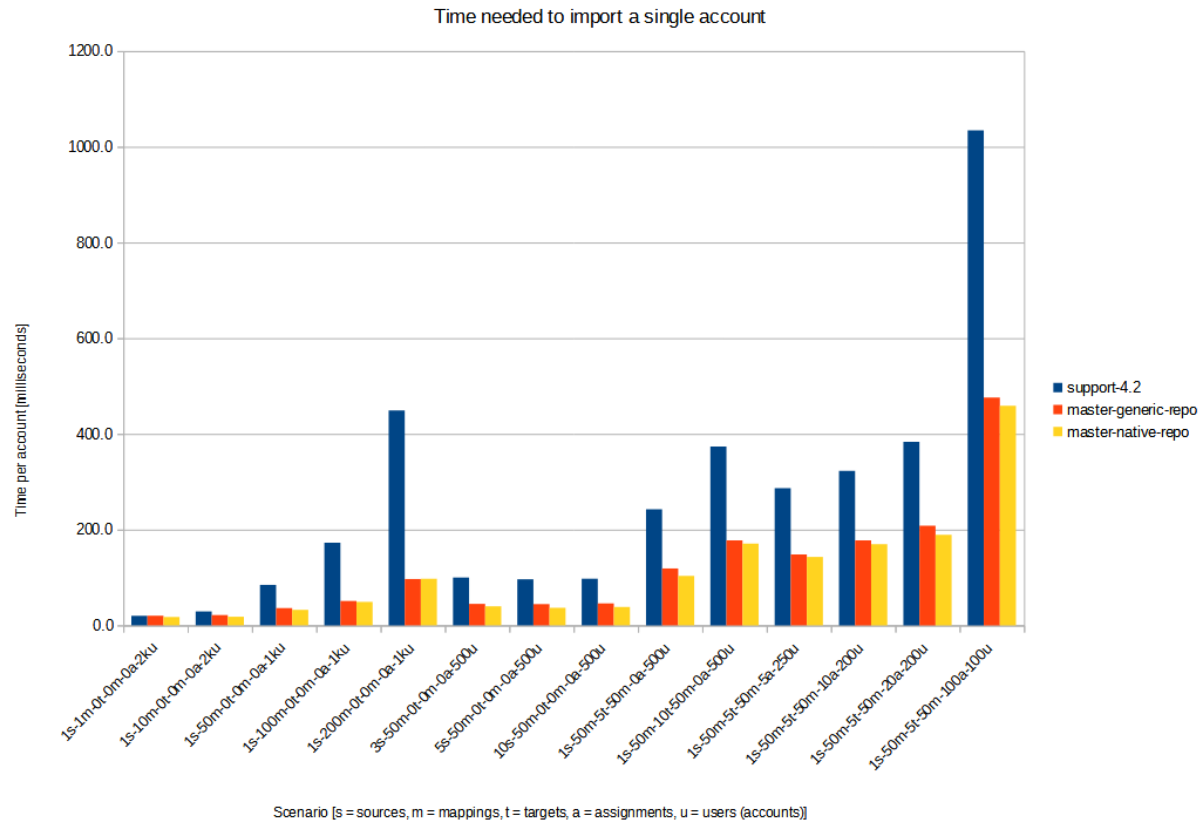
Goals

Make **midPoint** scalable for large deployments (beyond millions of managed identities).



Outcomes

Scalable data storage implementation, major performance and usability improvements.



Large-Scale Deployments

Speedup by factor of 2 (or more*)

Scalability beyond millions of identities

100% open source

Future

New opportunities (government, academia, telco, ...)

*) Exact numbers to be confirmed. Project is not finished yet, last tests are still running.