Pioneering Interoperability

A4L & HR Open Standards Collaboration with the SIF Infrastructure

Agenda

- What is JEDx?
- How does it tie into SIF?
- What does that look like?
- Special Considerations
- Lessons Learned

What is JEDx?

- **JEDx (Jobs and Employment Data Exchange)** is an initiative by the **U.S. Chamber of Commerce Foundation** and the **T3 Innovation Network** to develop a **public-private approach** for collecting and using standards-based jobs and employment data.
- It builds on two previous initiatives:
    - **Job Data Exchange (JDX):** Focused on public-private standards for job descriptions and postings.
    - **Employment and Earnings Records Standards Project:** Aimed at creating public-private standards for employment and earnings records.

What is JEDx?

- JEDx is working to establish a **data collaborative** to improve the collection and use of job and employment data for **public and private applications** including:
  - **Learner/Worker Empowerment and Trusted Records:** Helping individuals use **verifiable employment and earnings records** for career opportunities, education, and government benefits.
  - **Employer Reporting to Government:** Reducing costs and improving data quality in **employer reporting** for **federal and state programs** and economic statistics.
  - **Workforce Analytics:** Enhancing access to **workforce analytics** for employers, workers, and government agencies to support **labor market information, policy, and research**.

What is JEDx?

How does it tie into SIF?

For the standard interface HR Open Standards has adopted the SIF 3 Infrastructure!

1. **Interoperability & Scalability** – Built on modern RESTful principles and using JSON/XML payloads, SIF 3 allows for easy integration with existing systems while scaling efficiently across large ecosystems.
2. **Security & Role-Based Access Control (RBAC)** – The infrastructure includes strong security mechanisms such as OAuth-based authentication and role-based permissions, ensuring compliance with data privacy regulations and security best practices.

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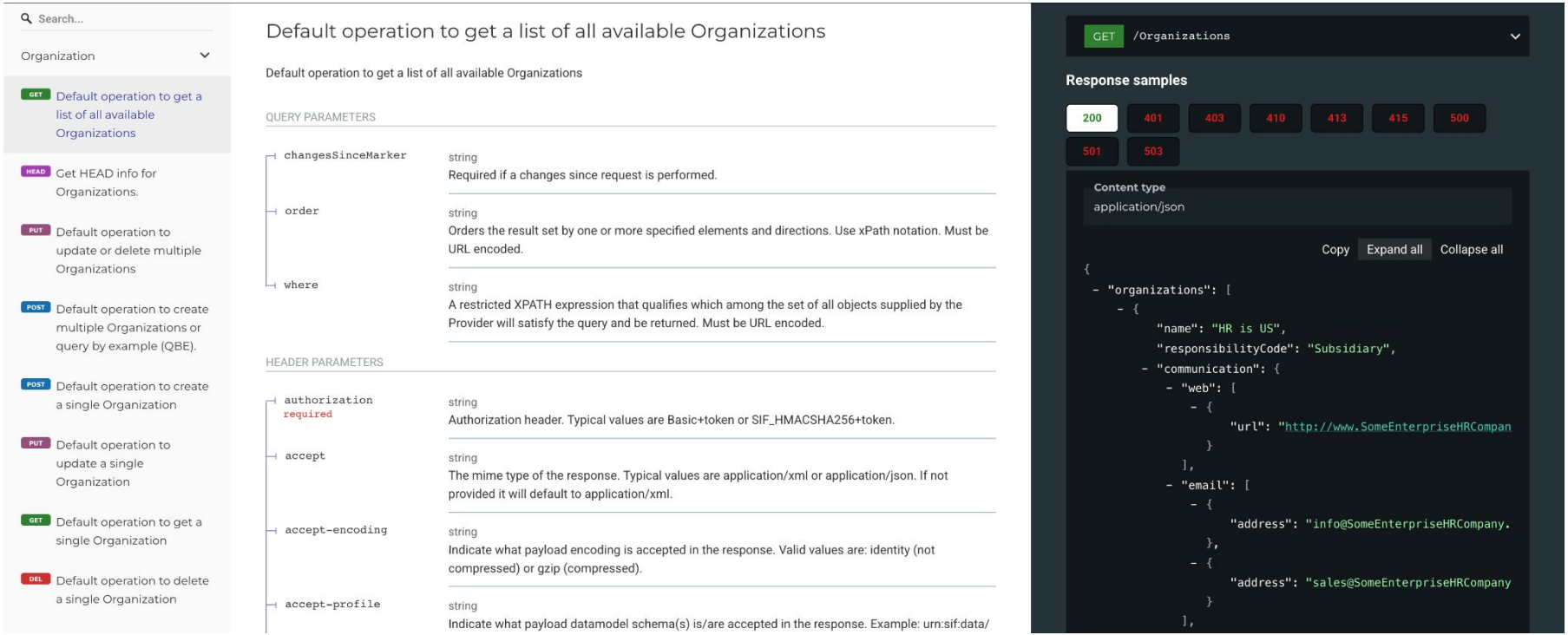
3. **Event-Driven & Request-Response Model** – SIF 3 supports both event-driven (push-based) and request-response (pull-based) data exchange models, making it highly adaptable for organizations that need real-time updates and asynchronous processing.
4. **Brokered & Direct Architectures** – SIF 3 provides flexibility through brokered (middleware-based) and direct (peer-to-peer) communication models, accommodating different governance structures and data flow needs.
5. **Support for Asynchronous & Batch Processing** – SIF 3 allows for both real-time data exchange and batch processing, making it suitable for systems that need to handle high data volumes efficiently.

What does it look like?



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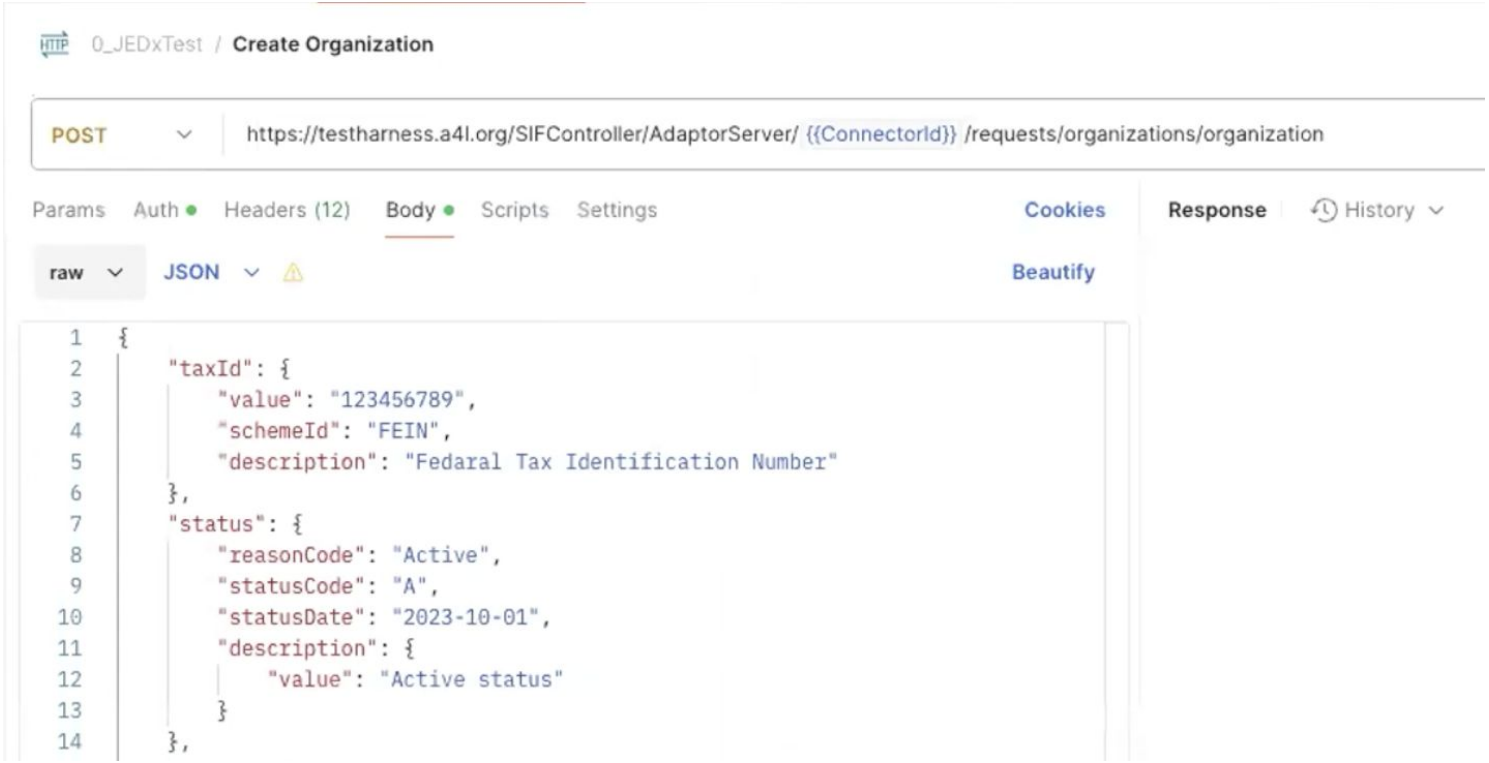

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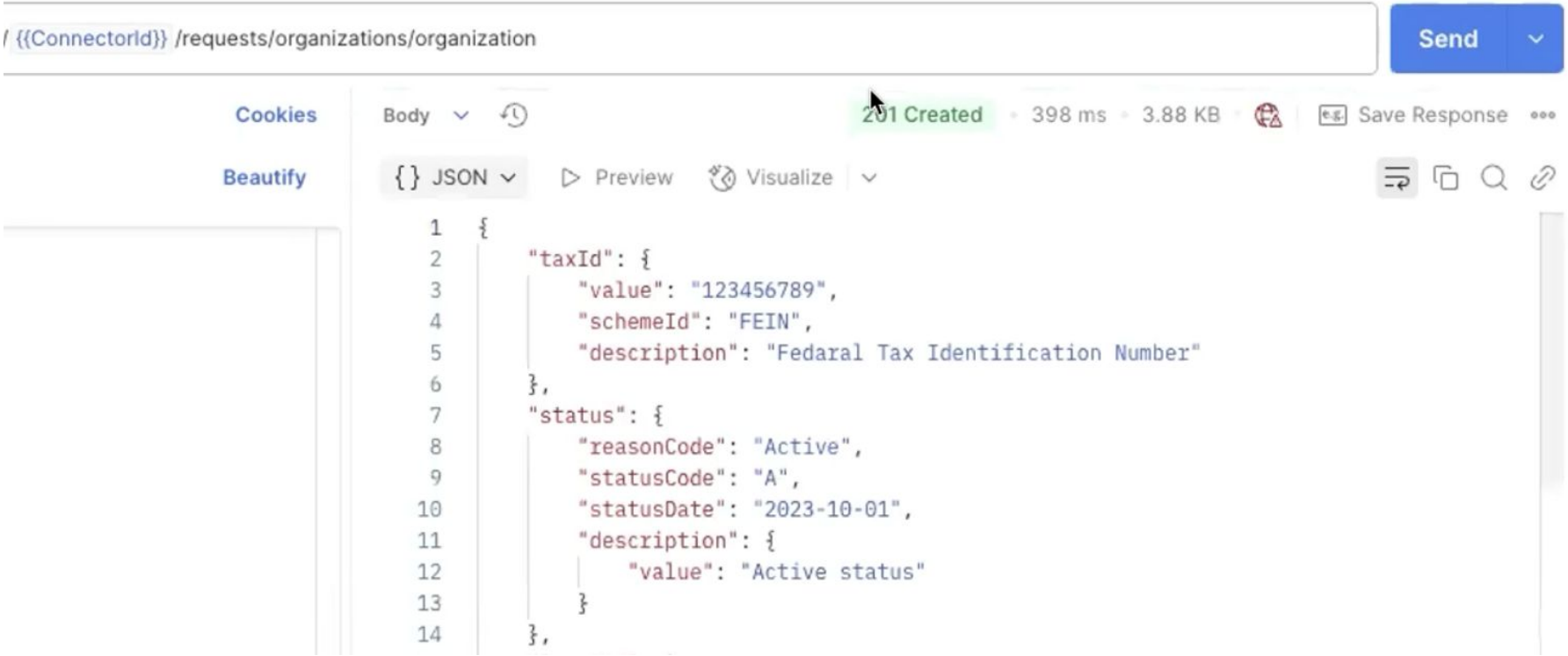

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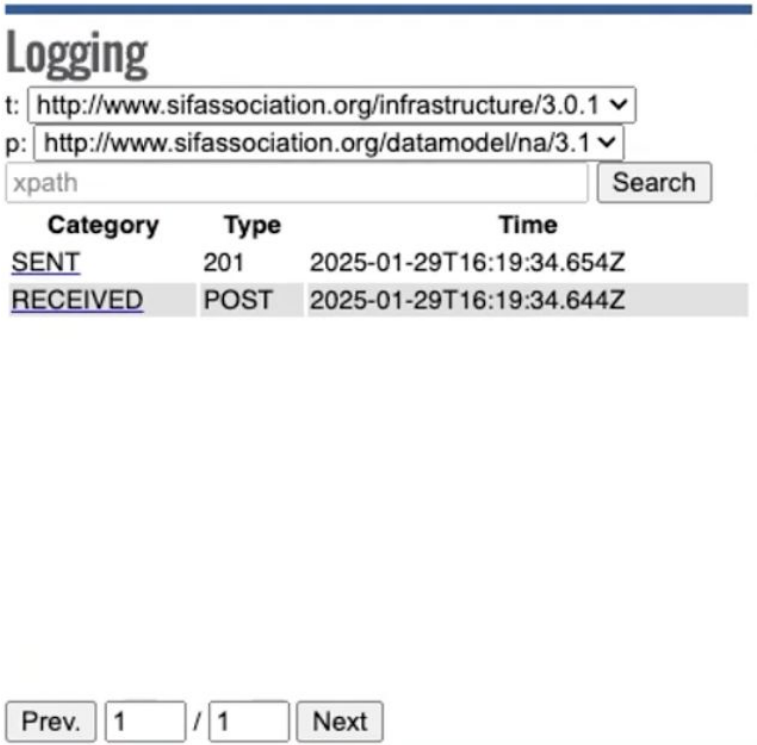
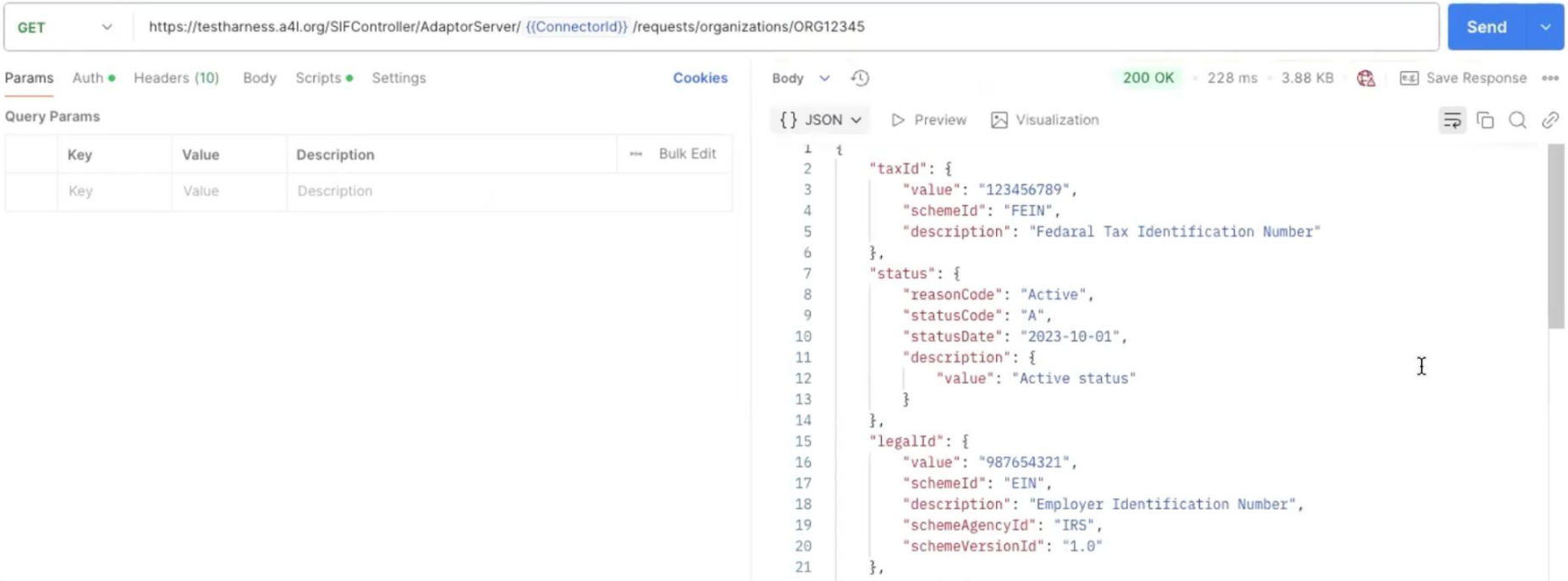


What does it look like?

Tests

	Status	Name
●	PASSED	MakesOAuth2Request
●	PASSED	MakesHTTPSConnection
●	PASSED	MakesCreate_organization_Request
●	RUNNING	MakesCreate_worker_Request
●	RUNNING	MakesRead_worker_Request
●	RUNNING	MakesCreate_workerCompensationReport_Request
●	RUNNING	MakesCreate_workerPaidHoursReport_Request
●	RUNNING	MakesCreate_resume_Request
●	RUNNING	MakesRead_resume_Request

What does it look like?



Special Considerations

- JSON only
- Anonymous resource roots
- Named collections
- Non-UUID resource names
- Bridge to established HR industry APIs

Lessons Learned

- Case sensitive paths are very important to clarify.
- Goessner Notation:
  - Can represent any XML in JSON.
  - Cannot represent any JSON in XML.
- XUpdate was *not* adopted by the W3C.

CALL TO ACTION

Useful links / next steps:

Visit:
http://specification.sifassociation.org/JEDx/ServiceDocs/