

An illustration of a woman with curly brown hair and blue-rimmed glasses, wearing a blue blazer, standing in front of a large screen. The screen displays the text 'Project Jake Pilot Presentation' and a rocket launching into the sky. In the foreground, the backs of four audience members' heads are visible as they watch the presentation. The background is a solid blue color.

Project Jake Pilot Presentation

DNS Registration Data Disclosure

Introduction



Hello! I am Jake.

I have been named after Elizabeth “Jake” Feinler, the first head of the ARPANET Network Information Center, the origin of the Whois protocol.

Project Jake seeks engineering solutions to complement and support existing DNS Registration Data disclosure policies and instruments, (including the RDRS). Key Principle: Support the implementation of existing policies, not making them.

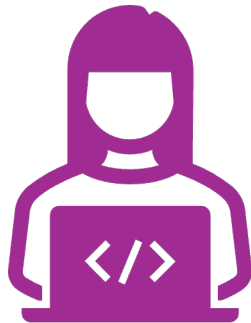
Since 2020, Project Jake has convened registries, registrars, requestors, policy experts, and technical leaders to collaboratively design workable, accountable frameworks for modern domain data governance.

Jake Key Elements



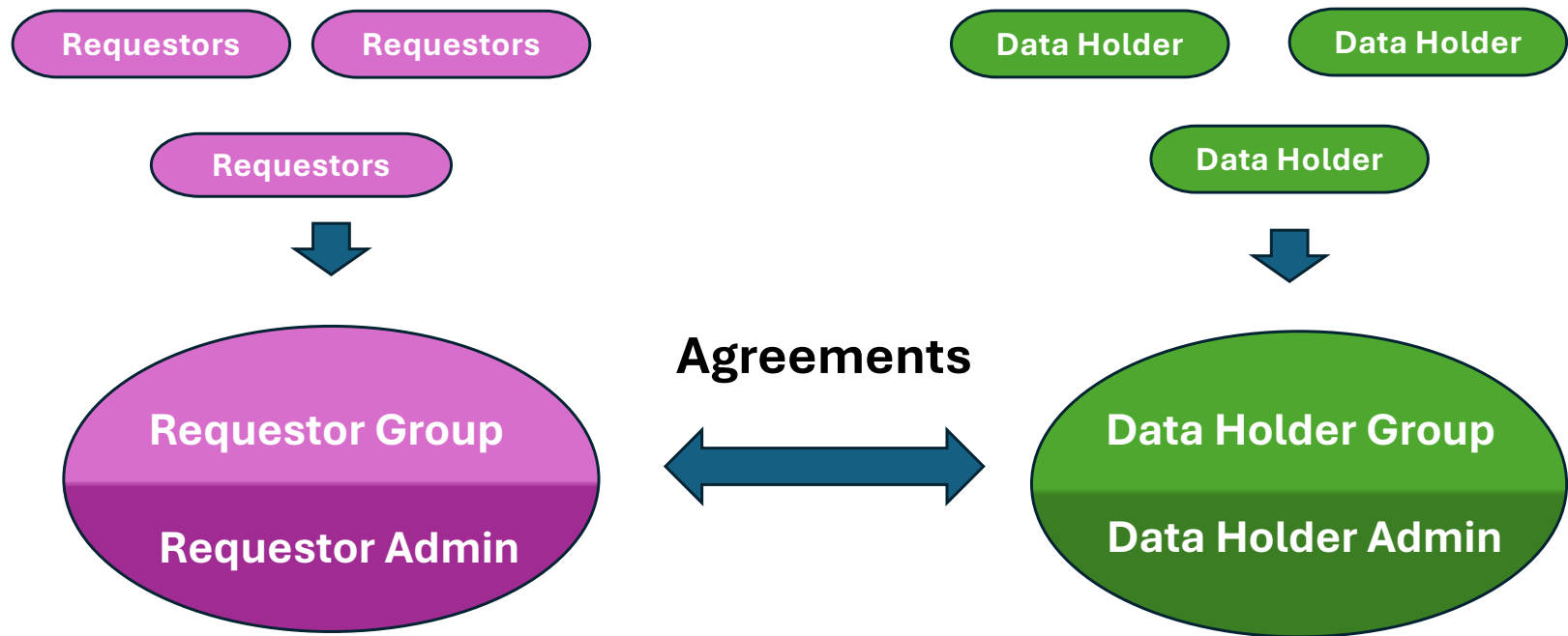
- **Requestors – Data Holders.** The challenge is balancing Rights with Responsibilities.

- **Agreements.** Agreements that manifest the Rights and Responsibilities of Requestor and Data Holder are at the heart of Jake.



- **Protocols.** Jake has developed an operational framework and protocols to help execute the Agreements

Stakeholder Operational Framework



Agreements



Agreements contain general Terms and Conditions and one or more Request - types.

Each Request-type includes:

- Purpose, e.g. investigation, market research, consumer protection
- Permitted Uses
- Access level, consistent with Purpose
- Expected Data Elements, consistent with Purpose
- Additional Parameters



Jake Protocols

Layer 1: Request and Response protocol

Layer 2: Agreement

Layer 3: Community Sharing

Will be publicly documented

Project Jake Software (based on Protocols)

- **JADDAR:** Requestor Software for making a request and receiving a response.
- **Group Manager:** Requestor Group Admin software to add and remove Requestors, and to enter into Agreements on behalf of Group

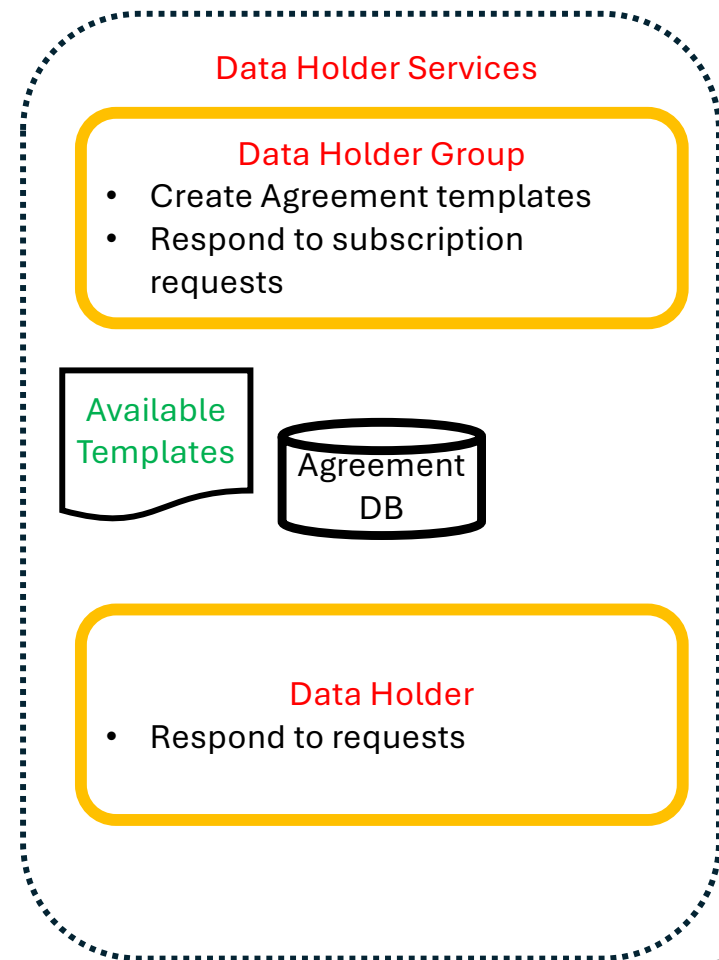
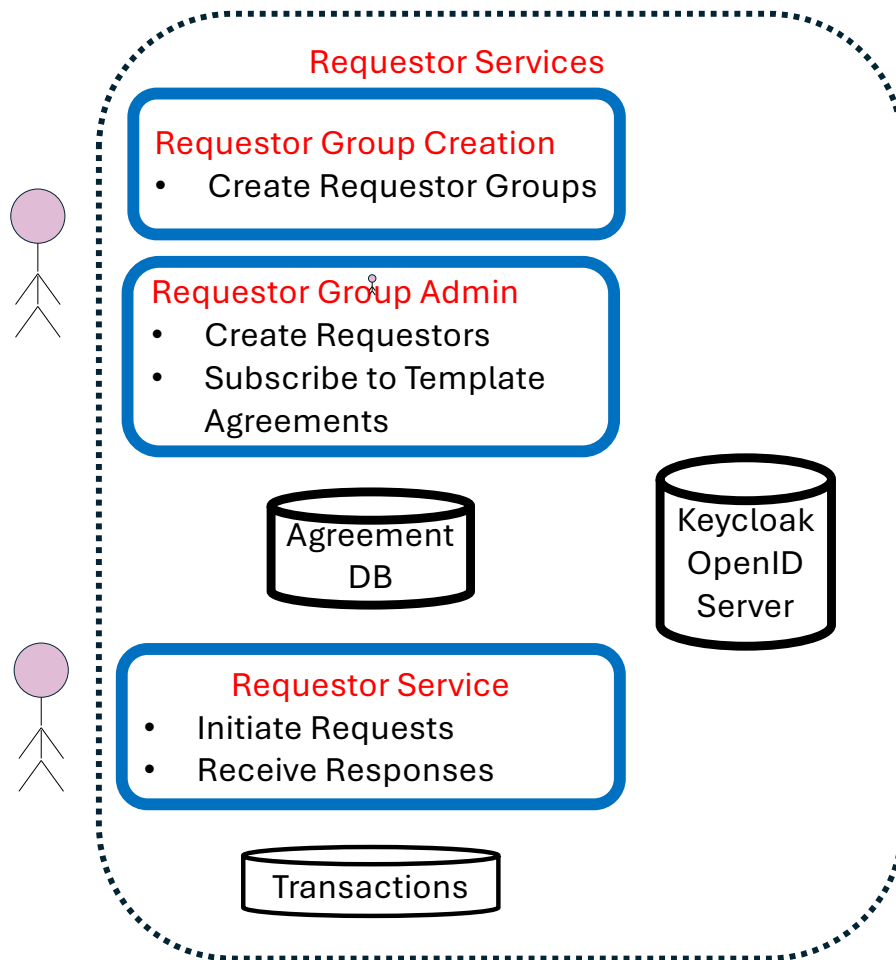
Additional software coming

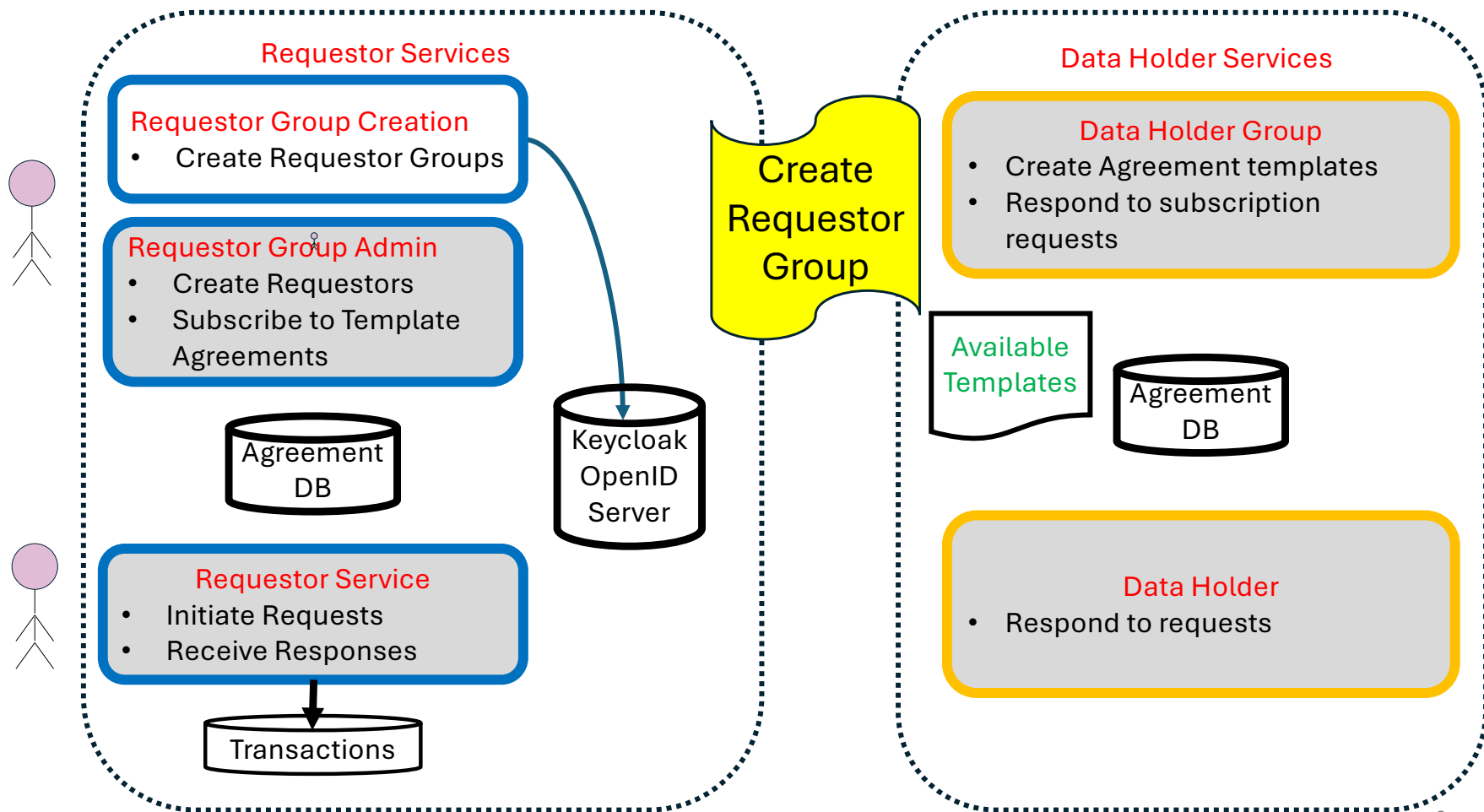
Pilot with TWNIC

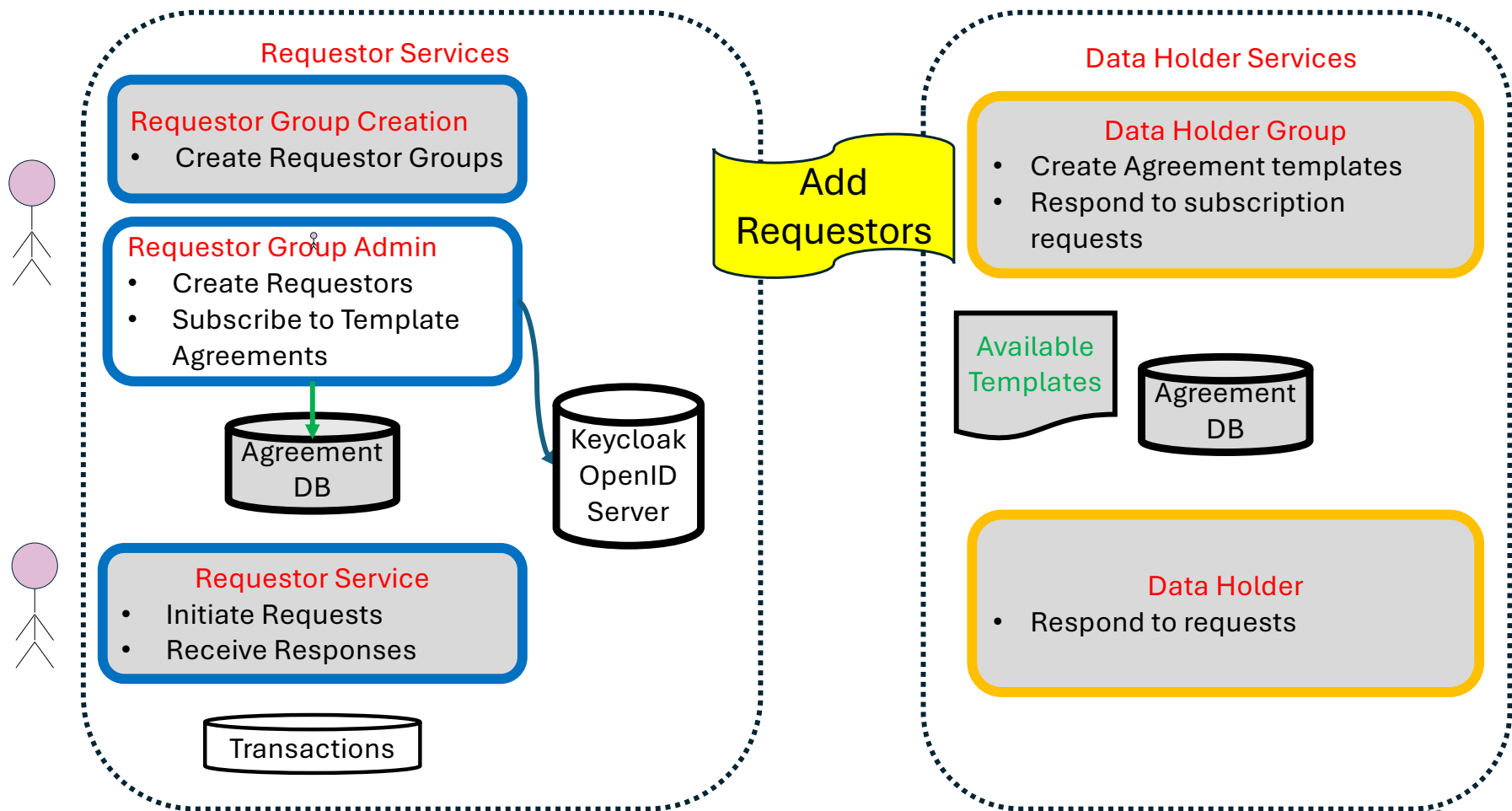
Standard protocols and strong authentication

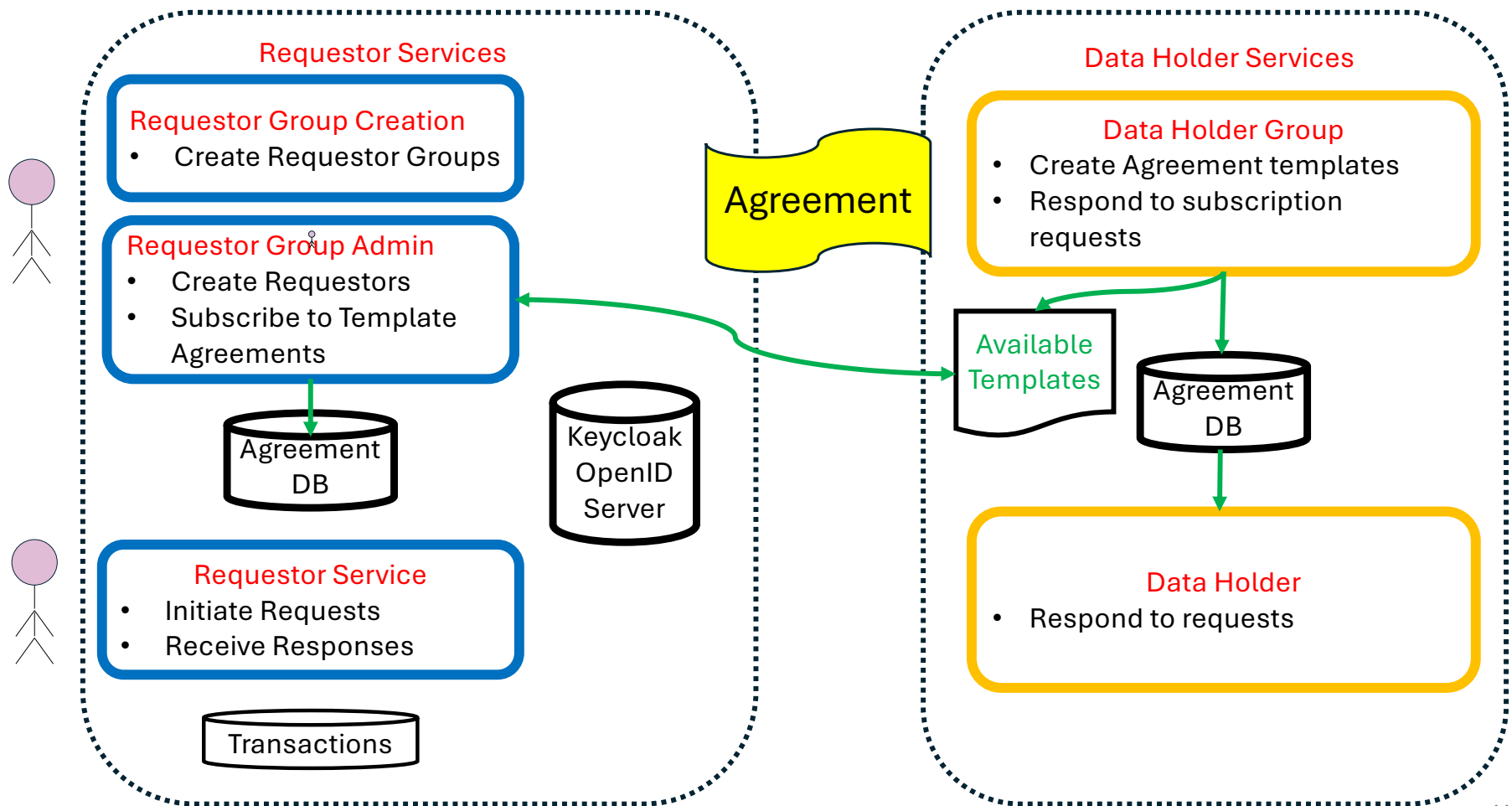
RDAP, RFC 9560, OpenID/OAuth

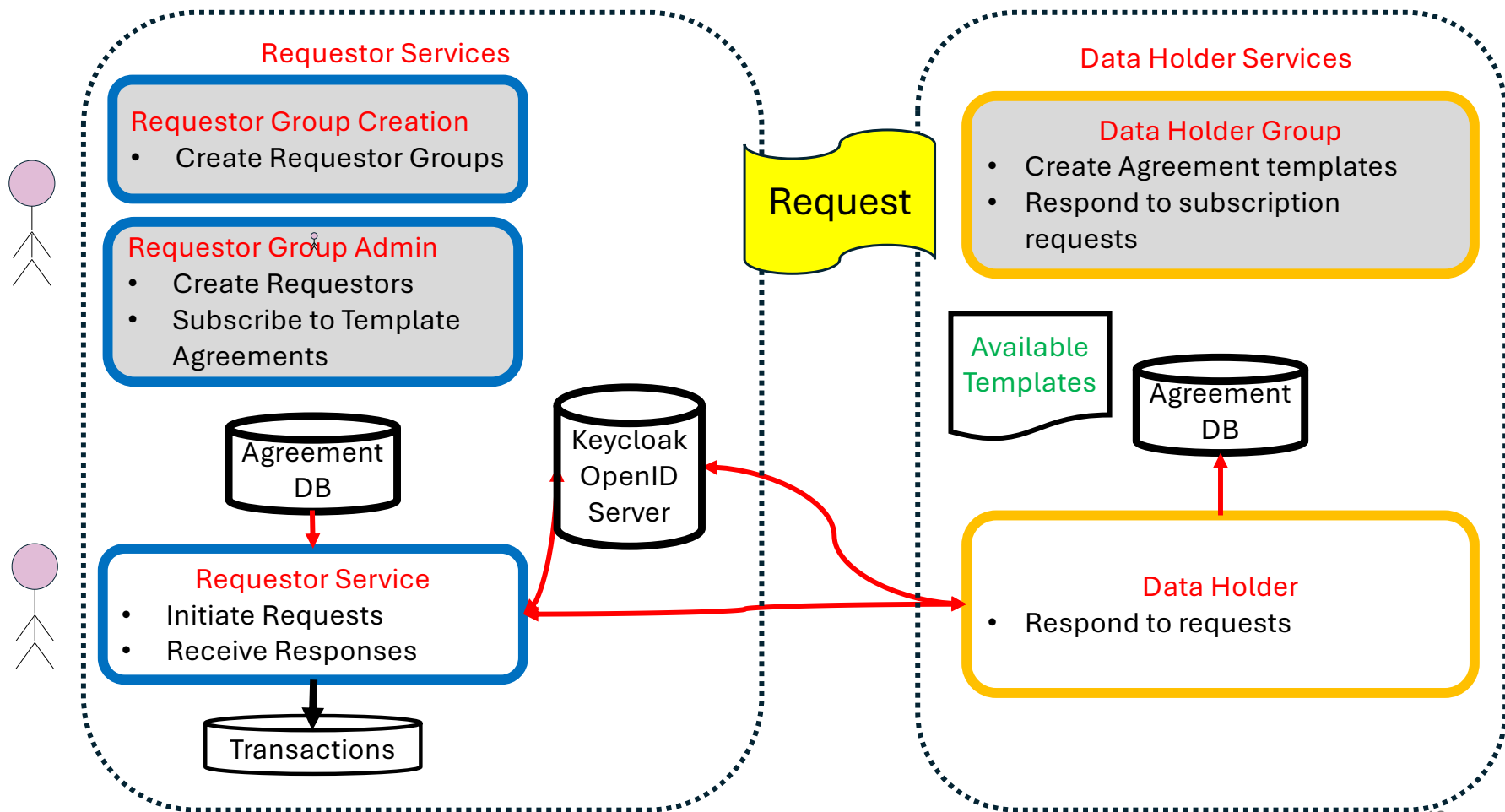
Jake-specific extensions will be documented and freely available



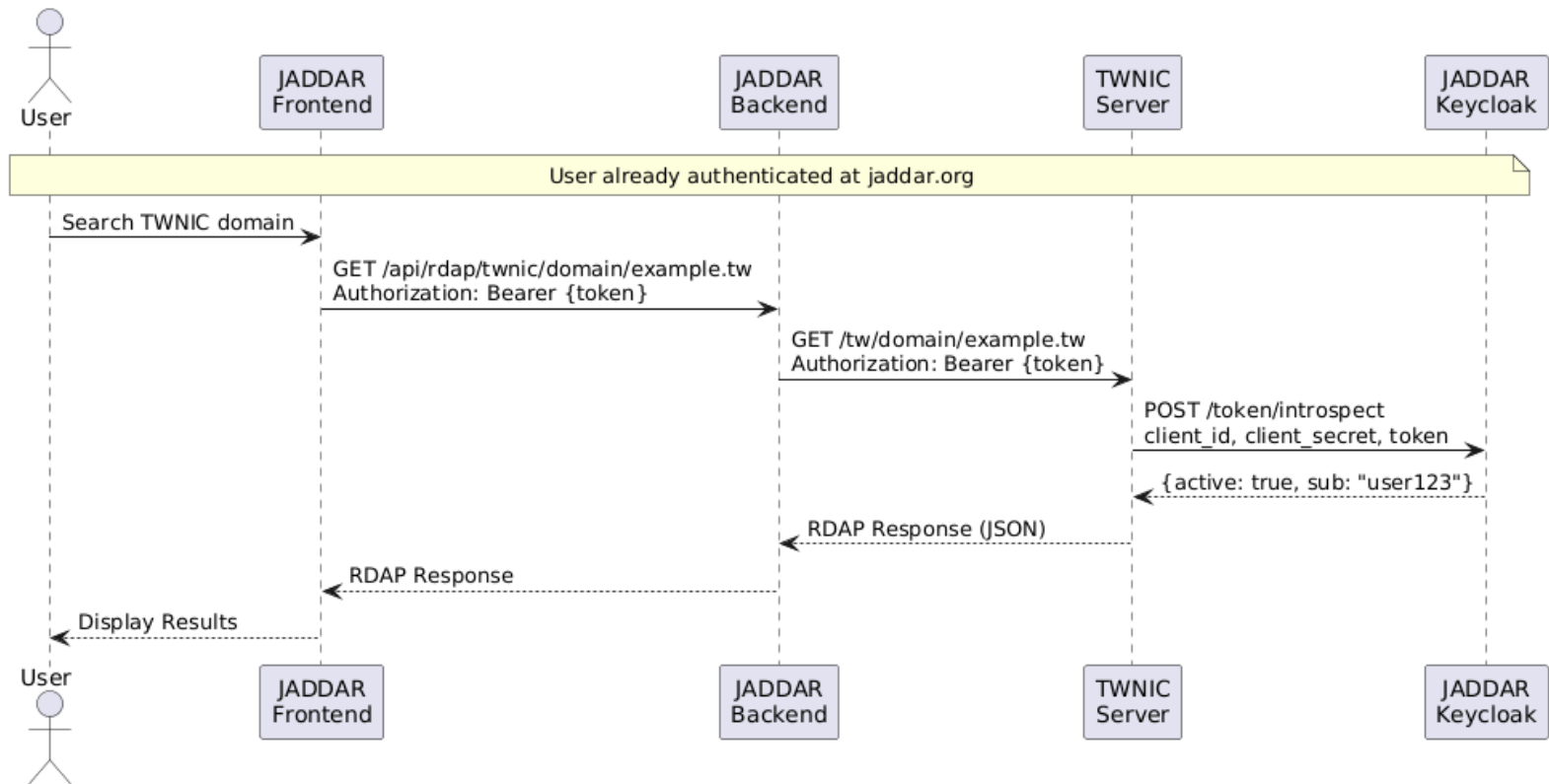








JADDAR to TWNIC RDAP Flow



TWNIC's Five Registration Scopes

	Registrant Category (Scope)	Encoding in TWNIC Database		
		Org field	Privacy	Green
✓	R1 Legal (Business) – Normal Privacy – Not “Green”	Filled	No	No
✓	R1 Legal (Business) – Normal Privacy – “Green”	Filled	No	Yes
	R1 Legal (Business) – Extra Privacy	Filled	Yes	-
	R2 Natural (Individual) – Normal Privacy	Empty	No	-
✓	R2 Natural (Individual) – Extra Privacy	Empty	Yes	-

R2 Natural (Individual) Extra Privacy

◇ Name	≡ Collect (0)	◇ ≡ VAL / v_dflt (0)	◇ ≡ SENS / s_dflt (0)	◇
> DNS Records	-	-	-	
> Registration Scope	-	-	-	
> Op Status	-	-	-	
> Payment & Transactions	-	-	-	
> Account Holder	-	-	-	
▽ Registrant	-	-	-	
PorE / Email_or_Phone	Omit	∅	S0	
Address / Name (Int'l: EN)	Collect	V1	S1	
Address / Organization (Int'l: EN)	Collect	V1	S2	
Address / Street Address 1 (Int'l: EN)	Collect	V1	S1	
Address / Street Address 2 (Int'l: EN)	Optional	V0	S2	
Address / Street Address 3 (Int'l: EN)	Optional	V0	S2	
Address / City (Int'l: EN)	Collect	V1	S1	
Address / State/Province (Int'l: EN)	Optional	V1	S1	
Address / Postal Code (Int'l: EN)	Optional	V1	S1	
Address / Country (Int'l: EN)	Collect	V2	S1	
Address / Name (Local)	Optional	V1	S2	
Address / Organization (Local)	Collect or Optional	V1	S2	
Address / Street Address 1 (Local)	Optional	V1	S2	
Address / Street Address 2 (Local)	Optional	V0	S2	
Address / Street Address 3 (Local)	Optional	V0	S2	
Address / City (Local)	Optional	V1	S2	
Address / State/Province (Local)	Optional	V1	S2	
Address / Post Code (Local)	Optional	V1	S2	
Phone / Phone	Collect	V2	S1	
Phone / Fax	Optional	V2	S1	
Email / Email	Collect	V2	S1	
UniquelD / Organization ID	Omit	V2	S2	
UniquelD / Personal ID	Collect or Optional	V2	S3	

R1 Legal (Business)
Normal Privacy
Not “Green”

◇ Name	≡ Collect (0)	◇ ≡ VAL / v_dflt (0)	◇ ≡ SENS / s_dflt (0)	↕
> DNS Records	-	-	-	
> Registration Scope	-	-	-	
> Op Status	-	-	-	
> Payment & Transactions	-	-	-	
> Account Holder	-	-	-	
▽ Registrant	-	-	-	
PorE / Email_or_Phone	Omit	∅	∅	
Address / Name (Int'l: EN)	Collect	V1	S0	
Address / Organization (Int'l: EN)	Collect	V1	S0	
Address / Street Address 1 (Int'l: EN)	Collect	V1	S0	
Address / Street Address 2 (Int'l: EN)	Optional	V0	S0	
Address / Street Address 3 (Int'l: EN)	Optional	V0	S0	
Address / City (Int'l: EN)	Collect	V1	S0	
Address / State/Province (Int'l: EN)	Optional	V1	S0	
Address / Postal Code (Int'l: EN)	Optional	V1	S0	
Address / Country (Int'l: EN)	Collect	V2	S0	
Address / Name (Local)	Optional	V1	S2	
Address / Organization (Local)	Collect or Optional	V1	S0	
Address / Street Address 1 (Local)	Optional	V1	S2	
Address / Street Address 2 (Local)	Optional	V0	S2	
Address / Street Address 3 (Local)	Optional	V0	S2	
Address / City (Local)	Optional	V1	S2	
Address / State/Province (Local)	Optional	V1	S2	
Address / Post Code (Local)	Optional	V1	S2	
Phone / Phone	Collect	V2	S0	
Phone / Fax	Optional	V2	S0	
Email / Email	Collect	V2	S0	
UniqueID / Organization ID	Collect	V2	S2	
UniqueID / Personal ID	Optional	V2	S3	

R1 Legal (Business)
Normal Privacy
“Green” (Validated)

◇ Name	≡ Collect (0)	◇ ≡ VAL / v_dflt (0)	◇ ≡ SENS / s_dflt (0)	↕
> DNS Records	-	-	-	
> Registration Scope	-	-	-	
> Op Status	-	-	-	
> Payment & Transactions	-	-	-	
> Account Holder	-	-	-	
▽ Registrant	-	-	-	
PorE / Email_or_Phone	Omit	∅	∅	
Address / Name (Int'l: EN)	Collect	V3	S0	
Address / Organization (Int'l: EN)	Collect	V3	S0	
Address / Street Address 1 (Int'l: EN)	Collect	V1	S0	
Address / Street Address 2 (Int'l: EN)	Optional	V0	S0	
Address / Street Address 3 (Int'l: EN)	Optional	V0	S0	
Address / City (Int'l: EN)	Collect	V1	S0	
Address / State/Province (Int'l: EN)	Optional	V1	S0	
Address / Postal Code (Int'l: EN)	Optional	V1	S0	
Address / Country (Int'l: EN)	Collect	V3	S0	
Address / Name (Local)	Optional	V3	S2	
Address / Organization (Local)	Collect or Optional	V3	S0	
Address / Street Address 1 (Local)	Optional	V1	S2	
Address / Street Address 2 (Local)	Optional	V0	S2	
Address / Street Address 3 (Local)	Optional	V0	S2	
Address / City (Local)	Optional	V1	S2	
Address / State/Province (Local)	Optional	V1	S2	
Address / Post Code (Local)	Optional	V1	S2	
Phone / Phone	Collect	V3	S0	
Phone / Fax	Optional	V1	S0	
Email / Email	Collect	V3	S0	
UniqueID / Organization ID	Collect	V3	S1	
UniqueID / Personal ID	Optional	V3	S3	

Comparison of results for Registrant data for backyard.bbq

Level 0 Access (Public)

Level 3 Access (Everything)

DOMAIN: backyard.bbq		DOMAIN: backyard.bbq	
Registration Details		Registration Details	
Object Type	Domain	Object Type	Domain
Domain Name	backyard.bbq [Required Access Level: 0]	Domain Name	backyard.bbq [Required Access Level: 0]
Handle / ID	DOM-BACKYARD-BBQ [Required Access Level: 0]	Handle / ID	DOM-BACKYARD-BBQ [Required Access Level: 0]
Access Level	Level 0 — Minimal	Access Level	Level 3 — Full
WHOIS Server	whois.nic.bbq [Required Access Level: 0]	WHOIS Server	whois.nic.bbq [Required Access Level: 0]
Status		Status	
Current Status	Active [Required Access Level: 0]	Current Status	Active [Required Access Level: 0]
Registrant		Registrant	
Handle	{'value': 'DOM-BACKYARD-BBQ', 'requiredAccessLevel': 0}	Handle	{'value': 'DOM-BACKYARD-BBQ', 'requiredAccessLevel': 0}
Full Name	REDACTED [Required Access Level: 2]	Full Name	Chris Martin [Required Access Level: 2]
Organization	Backyard BBQ Supply [Required Access Level: 0]	Organization	Backyard BBQ Supply [Required Access Level: 0]
Email	REDACTED [Required Access Level: 2]	Email	contact@backyard.bbq [Required Access Level: 2]
Phone (voice)	REDACTED [Required Access Level: 2]	Phone (voice)	tel:+1.5550140 [Required Access Level: 2]
Phone (fax)	REDACTED [Required Access Level: 2]	Phone (fax)	tel:+1.5550141 [Required Access Level: 2]
Address	REDACTED [Required Access Level: 2]	Address	114 Backyard Street, 114 Backyard Street, Atlanta, GA, 30301, US [Required Access Level: 2]

Benefits for the Data Holder: Streamlined Access



Pre-Negotiated Master Agreements built around machine-readable agreements.



The Requestor Agent takes on the workload of verifying the identity and credentials of their users.



Permits selective automation or manual review of responses.

Benefits for the Data Holder: Total Policy Control



No Forced Policies: Data Holders can map their existing policy to the software.



Data holders input desired policy outcomes and set the technical "Sensitivity Levels".

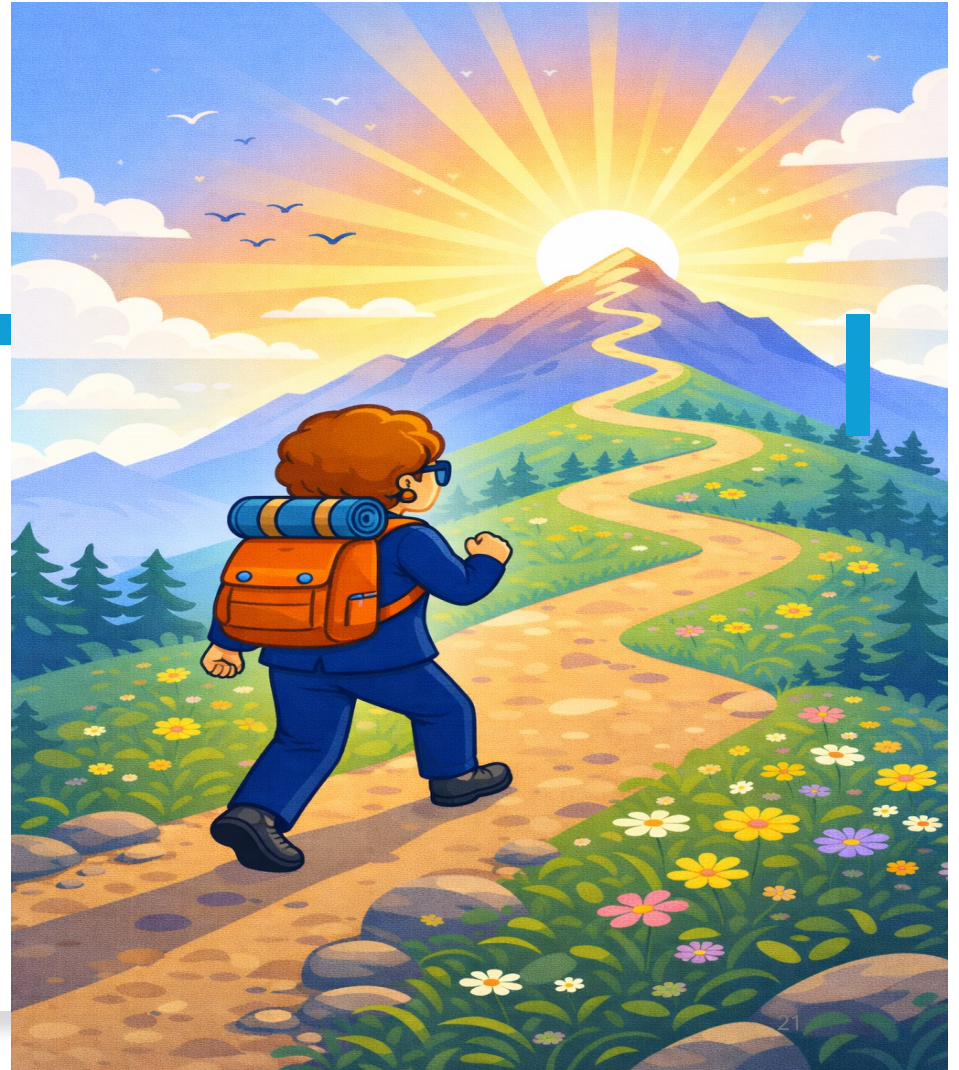


The configuration exports as a JSON file, can be integrated into the database.



What ´s next?

- Continued Outreach and Onboarding
- Development and User Community
- Continued Evaluation and Development
- Additional Products and Services
- Beta Version





For further information,
please contact us at:
info@edgemoorresearch.org



Website

Deep Dive @ Wednesday 9:00

Information:



Thank You!
Please join the Jake Community on its journey.