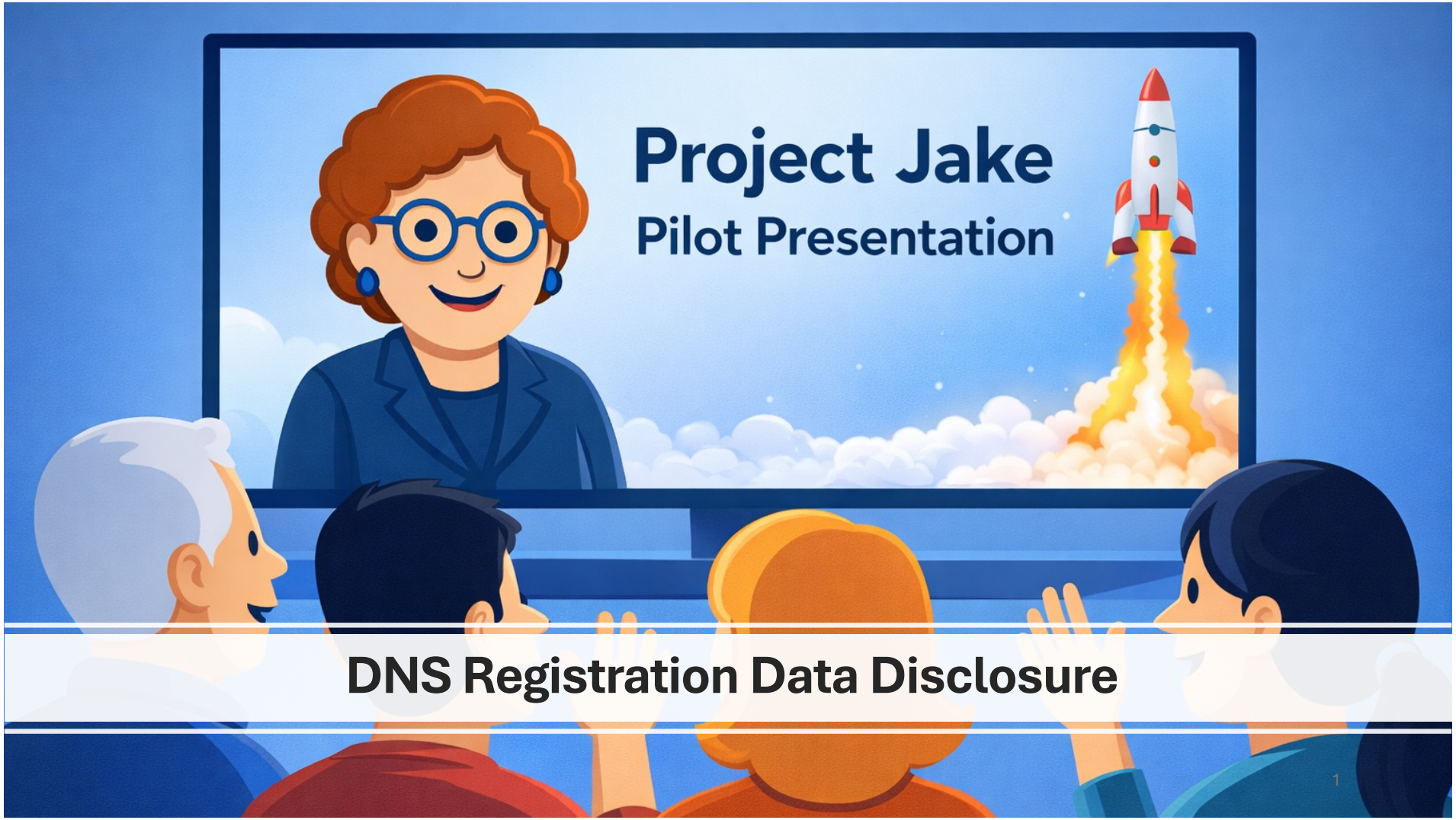


DNS Registration Data Disclosure

Introduction

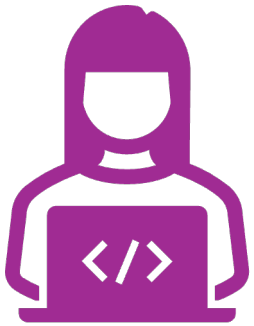
Project Jake seeks engineering solutions to complement and support existing DNS Registration Data disclosure policies and instruments, (including the RDRS). Key Principle: Support the implementation of existing policies, not making them.

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

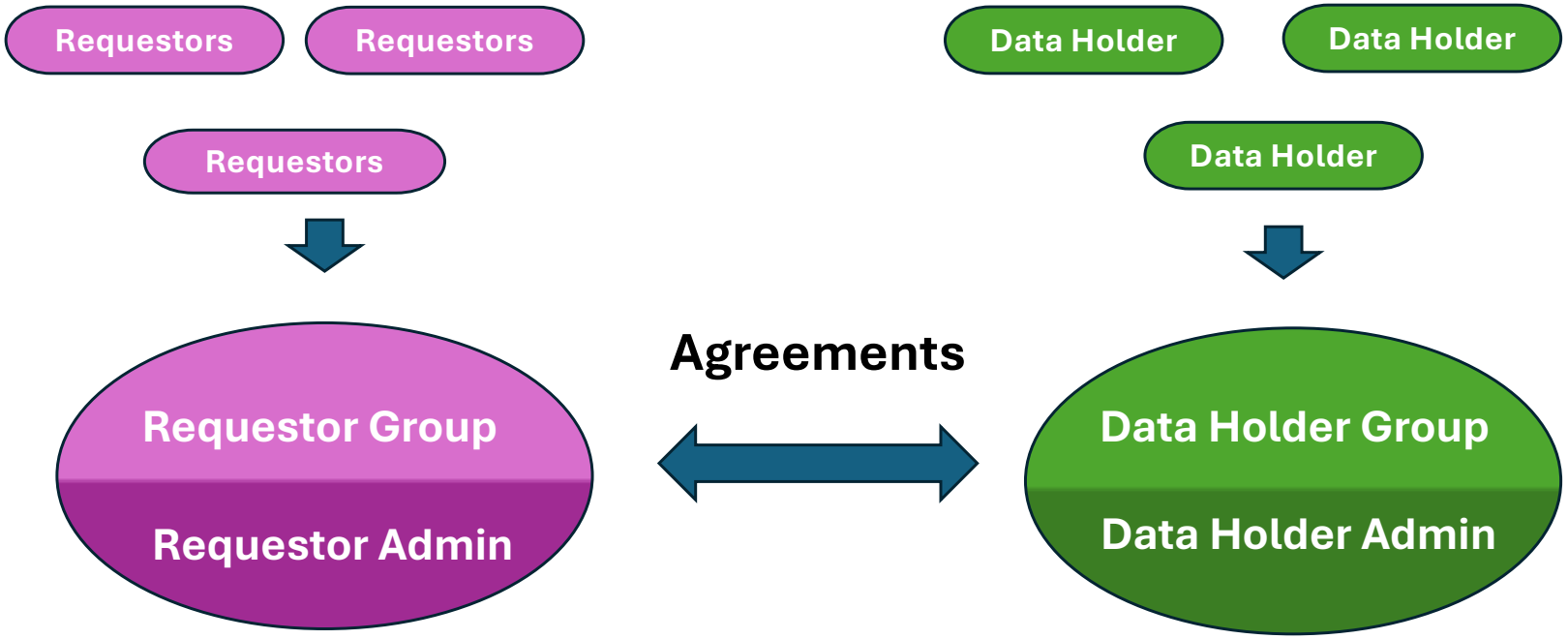
- **Requestors – Data Holders.** The challenge is balancing Rights with Responsibilities.

- **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

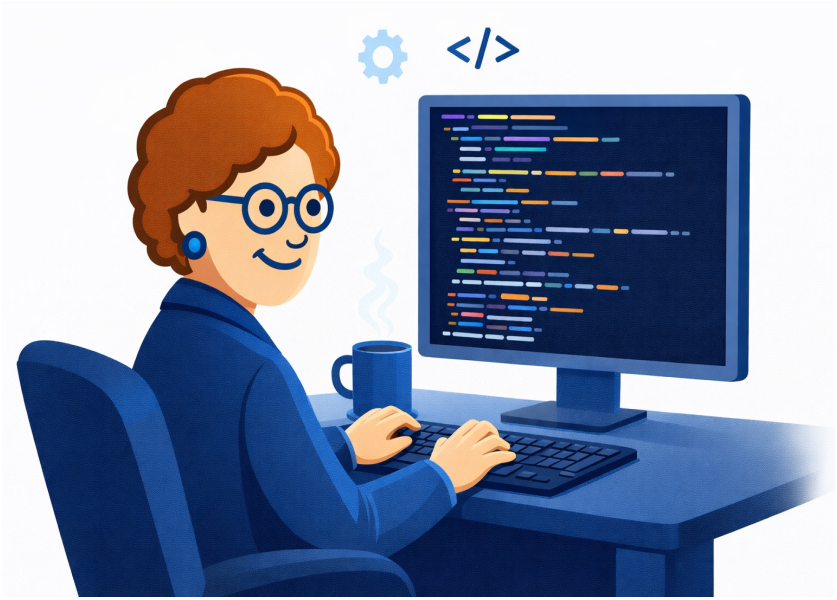


Agreements

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

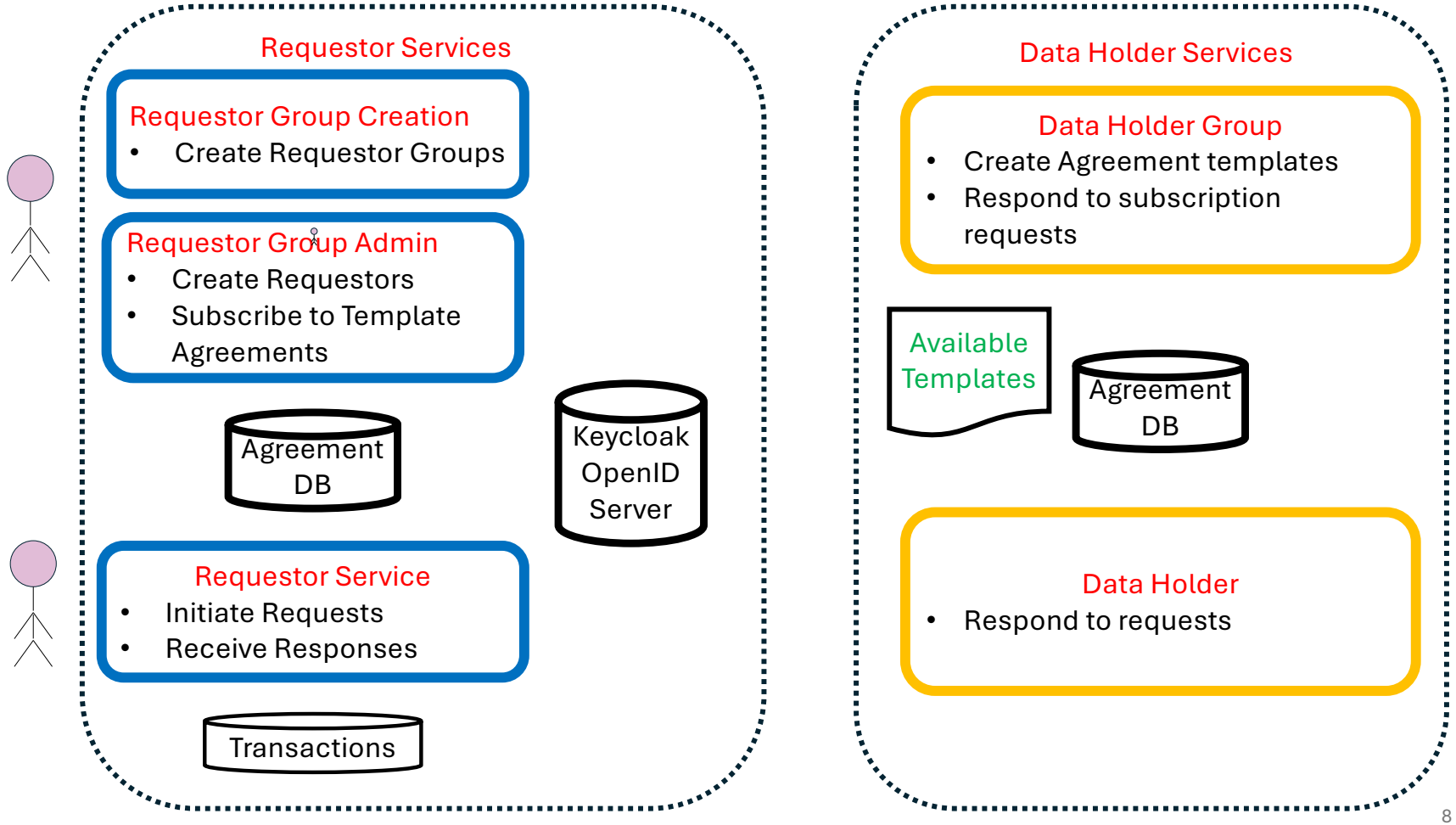
Additional software coming

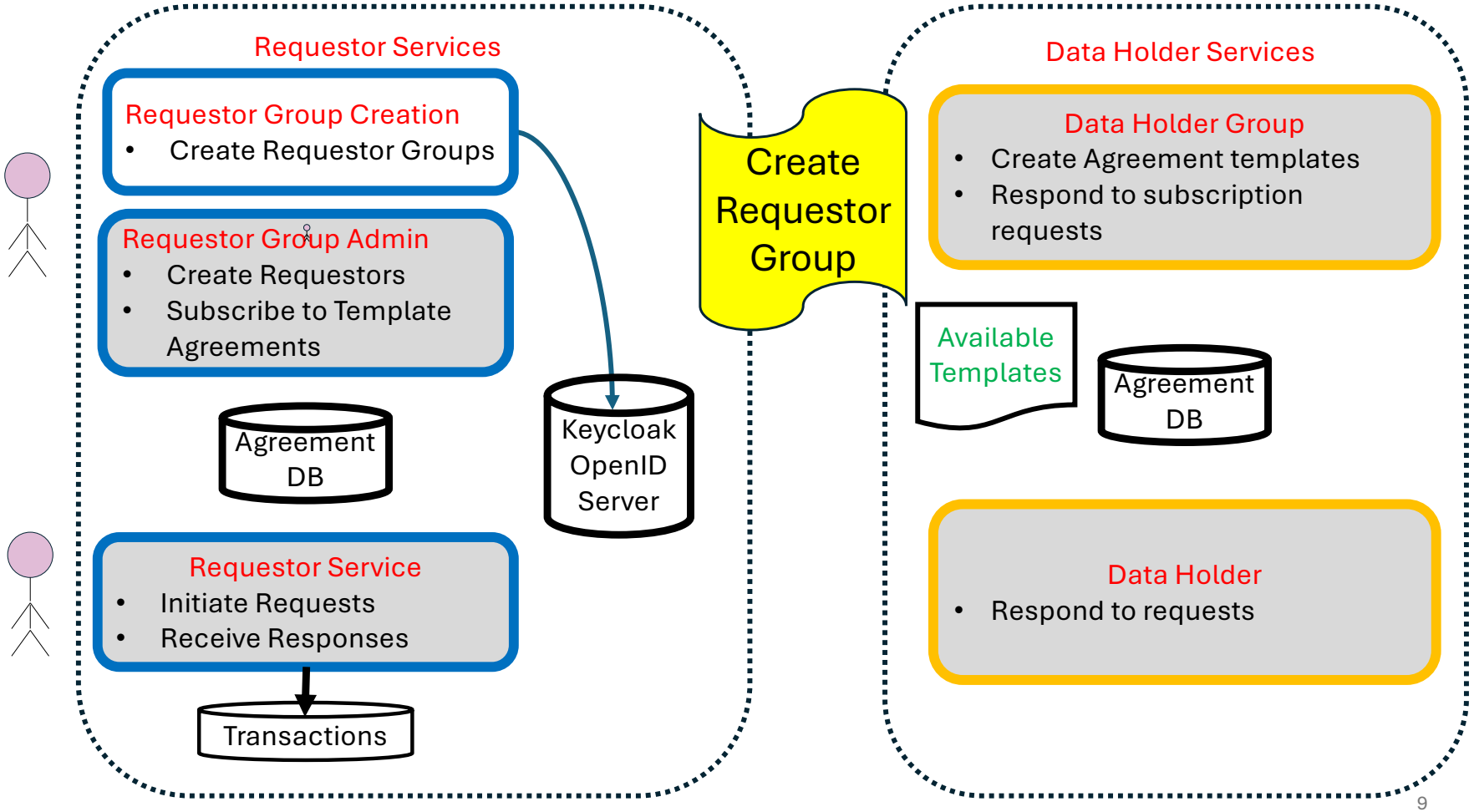
Pilot with TWNIC

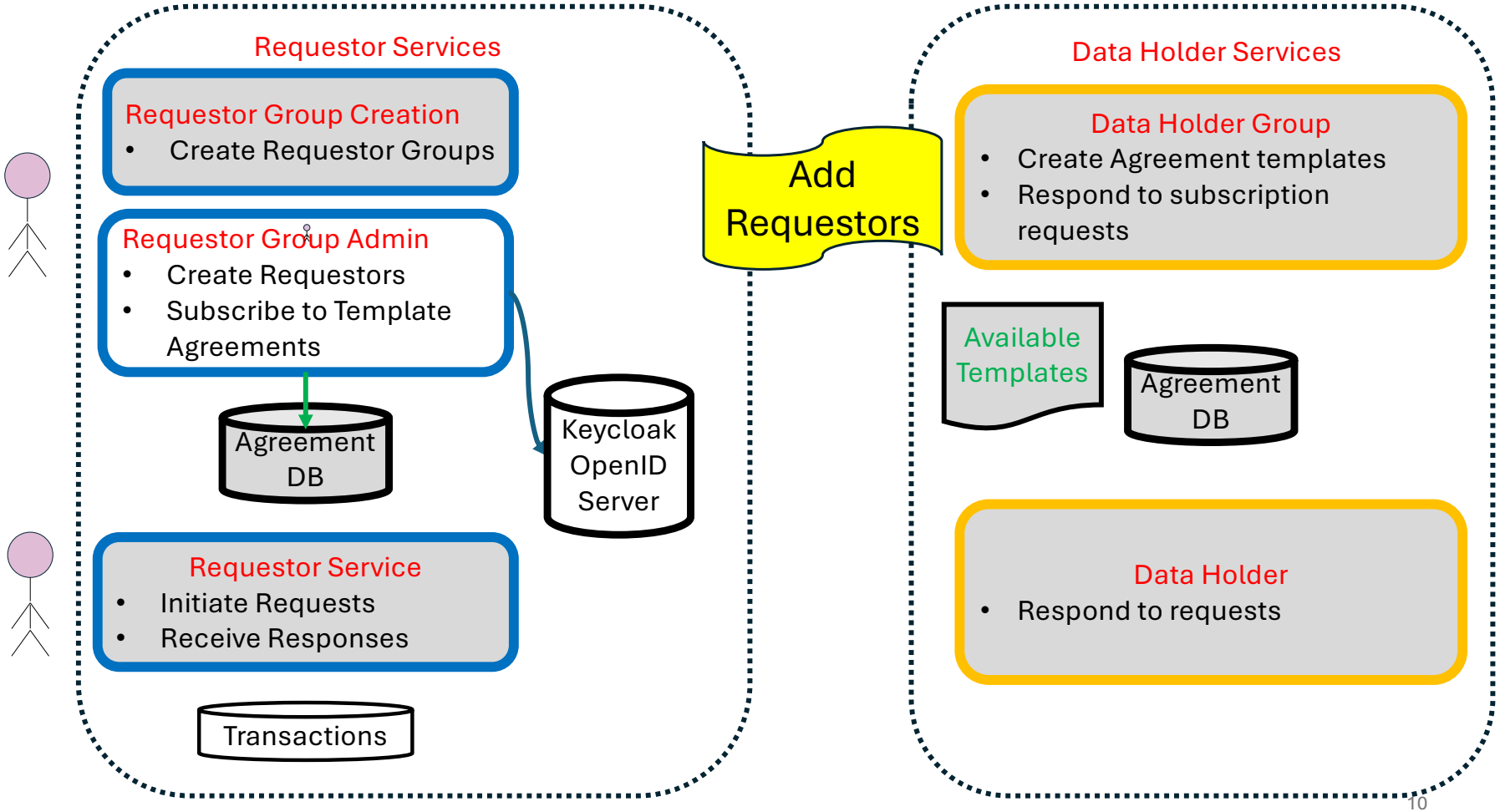
Standard protocols and strong authentication

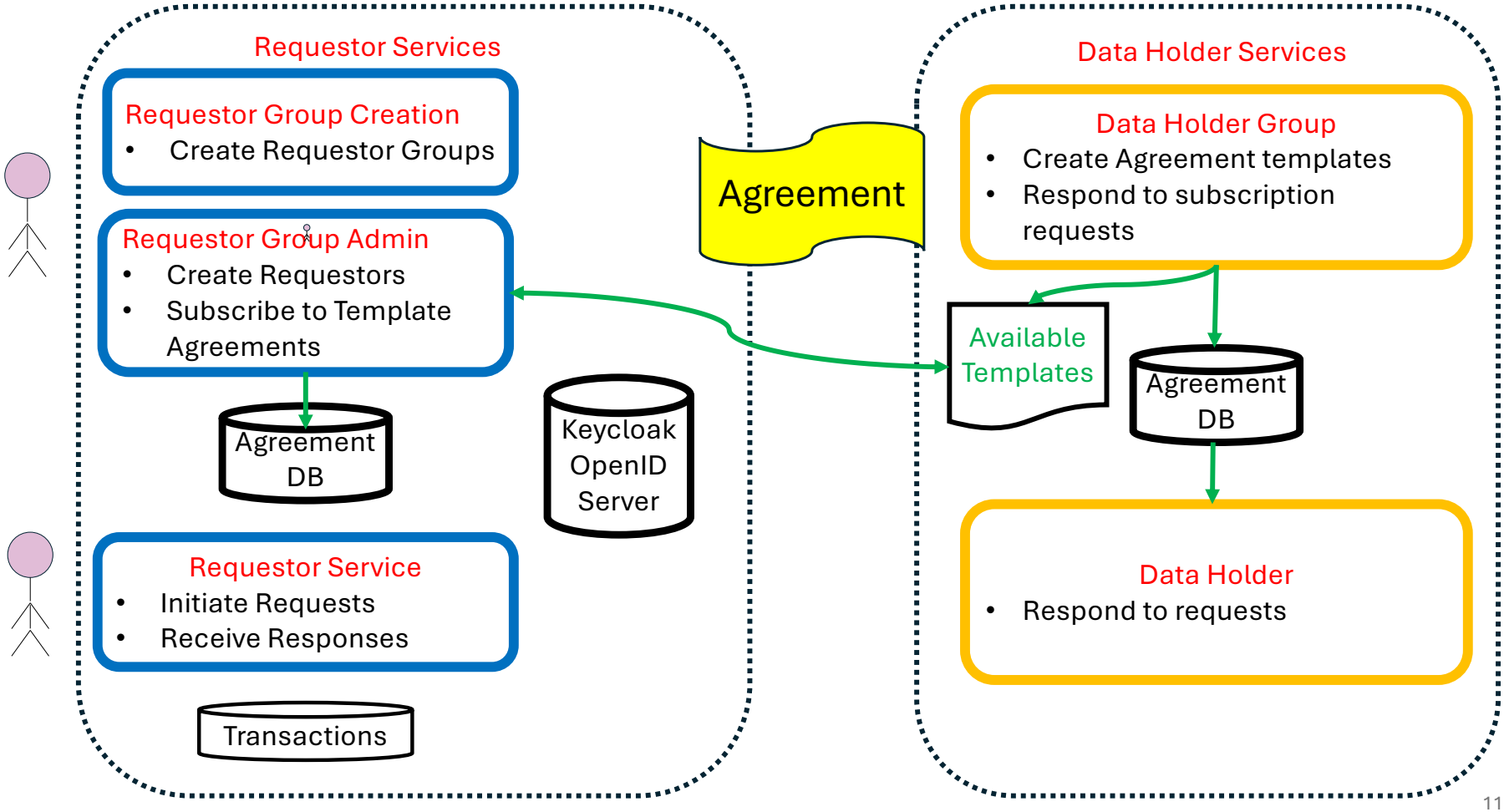
- RDAP, RFC 9560, OpenID/OAuth

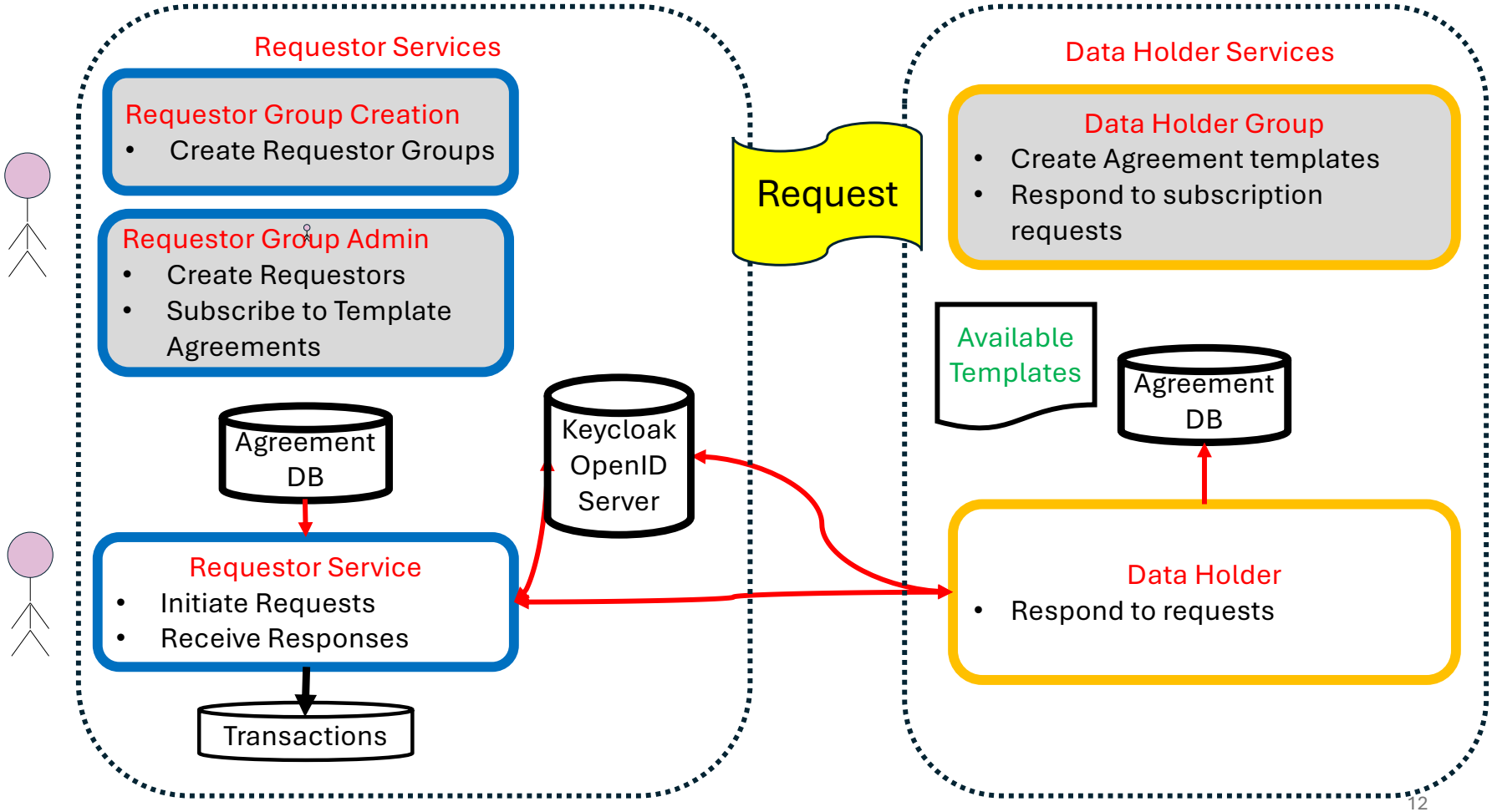
Jake-specific extensions will be documented and freely available

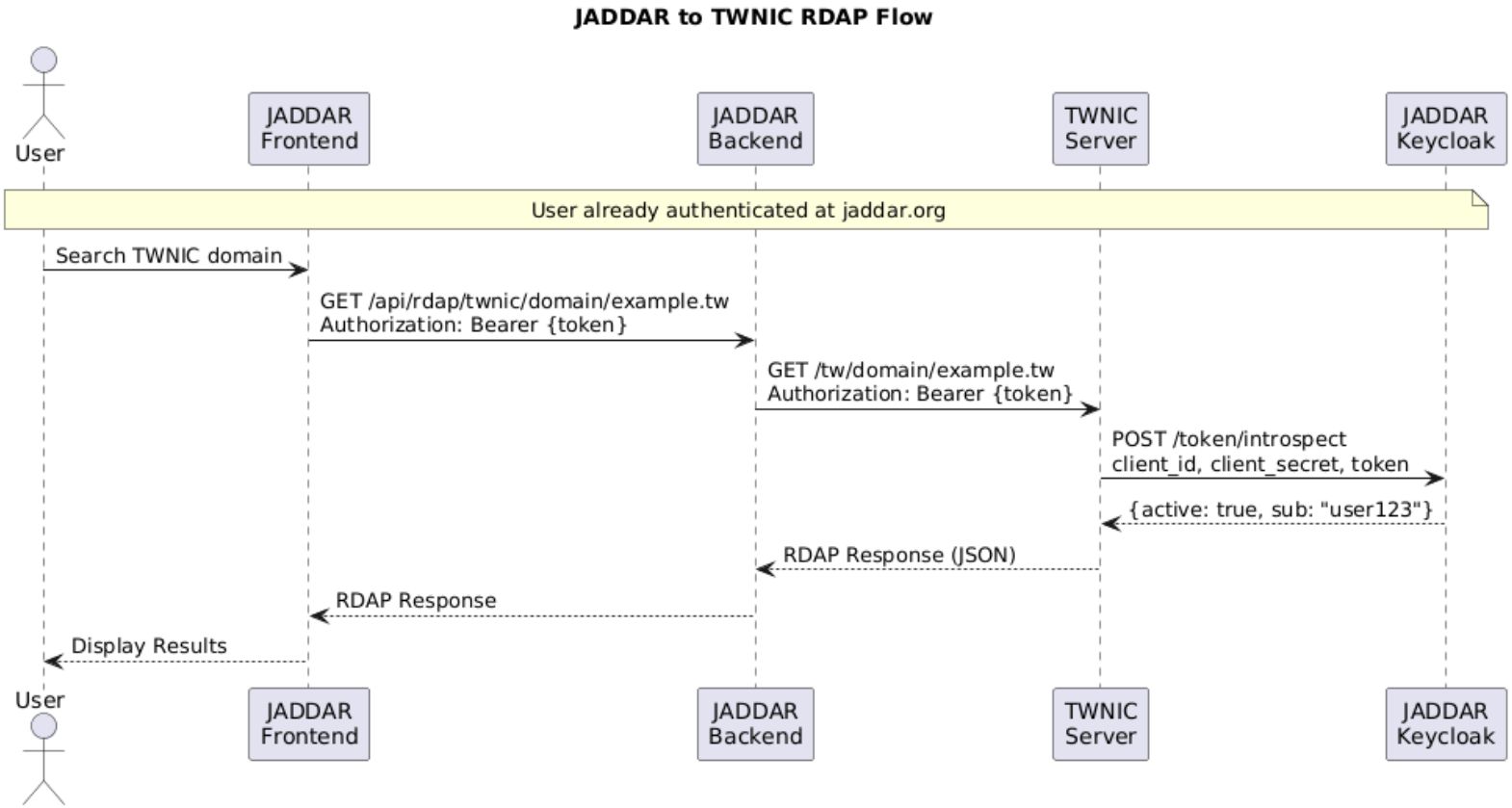

Requestor Services
Requestor Group Creation
• Create Requestor Groups
Requestor Group Admin
• Create Requestors
• Subscribe to Template Agreements
Agreement DB
Keycloak OpenID Server
Requestor Service
• Initiate Requests
• Receive Responses
Transactions
Data Holder Services
Data Holder Group
• Create Agreement templates
• Respond to subscription requests
Available Templates
Agreement DB
Data Holder
• Respond to requests


Requestor Services
Requestor Group Creation
• Create Requestor Groups
Requestor Group Admin
• Create Requestors
• Subscribe to Template Agreements
Agreement DB
Keycloak OpenID Server
Requestor Service
• Initiate Requests
• Receive Responses
Transactions
Create Requestor Group
Data Holder Services
Data Holder Group
• Create Agreement templates
• Respond to subscription requests
Available Templates
Agreement DB
Data Holder
• Respond to requests


Requestor Services
Requestor Group Creation
• Create Requestor Groups
Requestor Group Admin
• Create Requestors
• Subscribe to Template Agreements
Agreement DB
Keycloak OpenID Server
Requestor Service
• Initiate Requests
• Receive Responses
Transactions
Add Requestors
Data Holder Services
Data Holder Group
• Create Agreement templates
• Respond to subscription requests
Available Templates
Agreement DB
Data Holder
• Respond to requests


Requestor Services
Requestor Group Creation
• Create Requestor Groups
Requestor Group Admin
• Create Requestors
• Subscribe to Template Agreements
Agreement DB
Keycloak OpenID Server
Requestor Service
• Initiate Requests
• Receive Responses
Transactions
Agreement
Data Holder Services
Data Holder Group
• Create Agreement templates
• Respond to subscription requests
Available Templates
Agreement DB
Data Holder
• Respond to requests


Requestor Services
Requestor Group Creation
• Create Requestor Groups
Requestor Group Admin
• Create Requestors
• Subscribe to Template Agreements
Agreement DB
Requestor Service
• Initiate Requests
• Receive Responses
Transactions
Keycloak OpenID Server
Request
Data Holder Services
Data Holder Group
• Create Agreement templates
• Respond to subscription requests
Available Templates
Agreement DB
Data Holder
• Respond to requests


JADDAR to TWNIC RDAP Flow
User
JADDAR Frontend
JADDAR Backend
TWNIC Server
JADDAR Keycloak
User already authenticated at jaddar.org
Search TWNIC domain
GET /api/rdap/twnic/domain/example.tw
Authorization: Bearer {token}
GET /tw/domain/example.tw
Authorization: Bearer {token}
POST /token/introspect
client_id, client_secret, token
{active: true, sub: "user123"}
RDAP Response (JSON)
RDAP Response
Display Results
User
JADDAR Frontend
JADDAR Backend
TWNIC Server
JADDAR Keycloak

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	Ø	S0
Address / Name (Int'l: EN)	Collect	V1	S1
Address / Organizarion (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
UniqueID / Organization ID	Omit	V2	S2
UniqueID / 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	Ø	Ø
Address / Name (Int'l: EN)	Collect	V1	S0
Address / Organizarion (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	Ø	Ø
Address / Name (Int'l: EN)	Collect	V3	S0
Address / Organizarion (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)

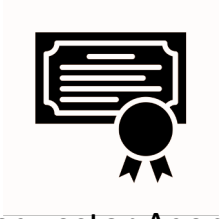
DOMAIN: backyard.bbq	
Registration Details	
Object Type	Domain
Domain Name	backyard.bbq [Required Access Level: 0]
Handle / ID	DOM-BACKYARD-BBQ [Required Access Level: 0]
Access Level	Level 0 — Minimal
WHOIS Server	whois.nic.bbq [Required Access Level: 0]
Status	
Current Status	Active [Required Access Level: 0]
Registrant	
Handle	{'value': 'DOM-BACKYARD-BBQ', 'requiredAccessLevel': 0}
Full Name	[REDACTED] [Required Access Level: 2]
Organization	Backyard BBQ Supply [Required Access Level: 0]
Email	[REDACTED] [Required Access Level: 2]
Phone (voice)	[REDACTED] [Required Access Level: 2]
Phone (fax)	[REDACTED] [Required Access Level: 2]
Address	[REDACTED] [Required Access Level: 2]

Level 3 Access (Everything)

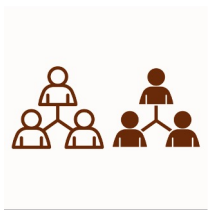
DOMAIN: backyard.bbq	
Registration Details	
Object Type	Domain
Domain Name	backyard.bbq [Required Access Level: 0]
Handle / ID	DOM-BACKYARD-BBQ [Required Access Level: 0]
Access Level	Level 3 — Full
WHOIS Server	whois.nic.bbq [Required Access Level: 0]
Status	
Current Status	Active [Required Access Level: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

©2026 TWNIC. All rights reserved

Benefits for the Data Holder:
Total Policy Control

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

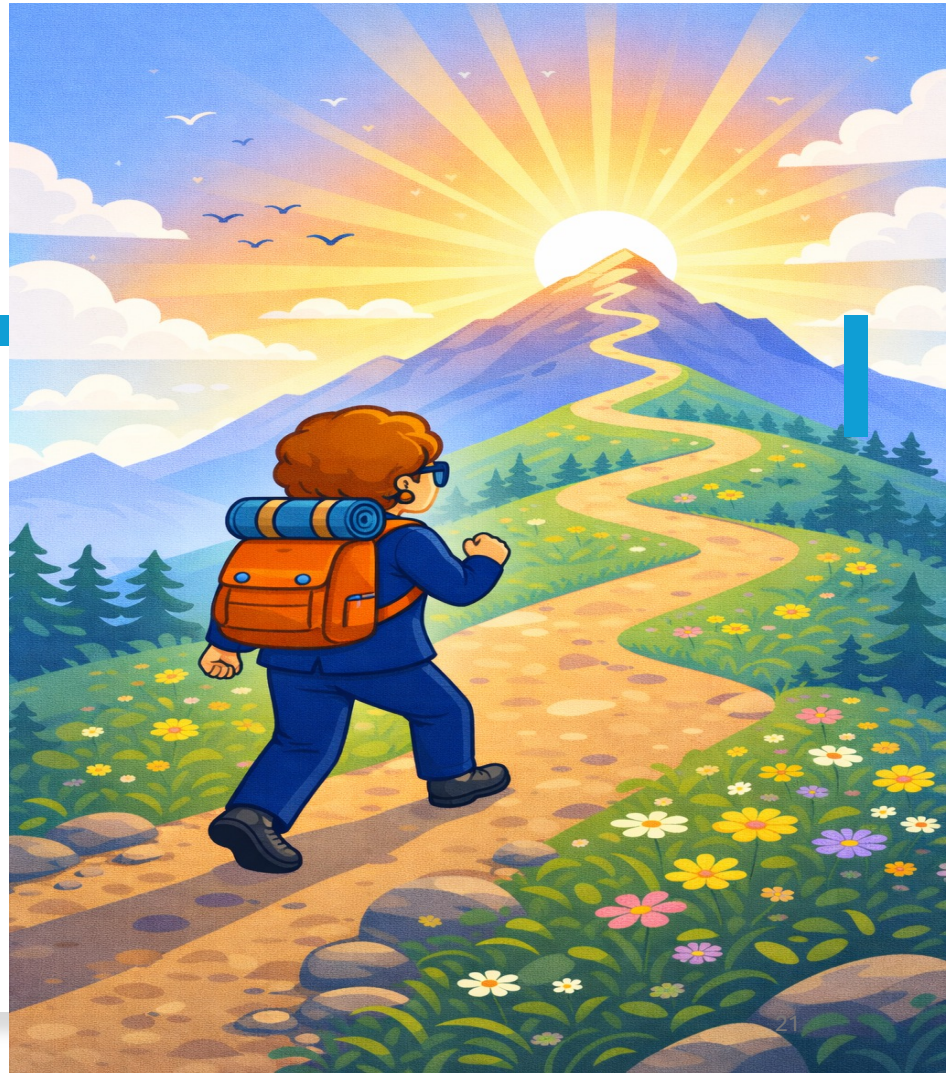
Data holders input desired policy outcomes and set the technical "Sensitivity Levels".

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

©2026 TWNIC. All rights reserved

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.