



— SECURE GOVERNMENT DATA EXCHANGE

X-Bridge.

The data stays where it lives. The query travels, with every request protected, governed and provable.



MEMBER-OWNED

Each authority keeps its systems and its data.

SECURITY SERVER

Signing, encryption and logging at every member edge.

ACCOUNTABLE

Signed responses and mandatory audit evidence.

— DATA EXCHANGE WITHOUT DATA DUPLICATION

The database does not need to move.

X-Bridge lets a civil registry, financial institution, telecom operator or other approved member ask a precise question of the source that owns the answer. It replaces bulk data copies and bespoke integrations with one governed exchange pattern.

Member system

Retains its own data, application systems and policy authority.

— SIGNED
QUERY —

Authoritative source

Releases only the permitted response through a controlled service.

OUTCOME

Every participant gains a secure route to the answer it needs, without compromising the source of truth.

— ONE MEMBER EDGE, CONSISTENT ASSURANCE

Security belongs to the network, not the weakest integration.

Every member deploys a compatible Security Server. Applications call ordinary REST services; the gateway applies mutual TLS, encryption, message signing and mandatory logging around each exchange.

01

Register the member

Approve the organisation, classify its membership, define services and issue its member code and certificate.

02

Deploy the gateway

Place the Security Server at the member edge so the secure protocol does not need to be rebuilt into each application.

03

Query approved services

Receive a signed, governed response from the authorised source through the exchange.

UTOPIA CONNECT
SECURE DATA EXCHANGE

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[SERVICES](#)
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[PARTNER LOGIN](#)
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INTEGRATION PATH

How It Works

Three steps from application to live data access through the Utopia X-Road network.

01

Register as Partner

Complete the partner application. Receive your X-Road member code, member class classification, and Security Server certificate after approval.

[Member Code](#)
[Security Cert](#)
[SLA Agreement](#)

02

Deploy Security Server

Deploy an X-Road-compatible Security Server gateway. It handles TLS mutual auth, message signing, encryption, and mandatory audit logging automatically.

[Docker Image](#)
[✓ Auto-configured](#)
[99.9% SLA](#)

03

Query Live Data

Call our REST services through your Security Server. Sub-200ms responses. Full signed audit trail. Granular per-service access controls.

[✓ REST / JSON](#)
[< 200ms p99](#)
[Signed Responses](#)

X-BRIDGE PRODUCT SCREEN

GOVERNANCE MADE CONCRETE

Access is granted per service, not per partner.

Each API service has an individual release model. A national-ID check is not a biometric match. Basic data requires a different authority from a certificate-status response.

Identity Verify	FINANCIAL	Is the national ID valid, active and linked to a live enrolled citizen?
Basic Data	COMMERCIAL	Approved identity details for a verified ID, with consent evidence.
Certificate Status	ALL MEMBERS	PKI validity, revocation status, expiry and serial number in real time.
Face Match	FINANCIAL + DPA	Controlled 1:1 ICAO-photo biometric match after enhanced approval.
NID Validate	OPEN	Format and existence check without releasing personal data.

← EGOV PORTAL

HOW IT WORKS

SERVICES

MEMBERSHIP

PARTNERS

PARTNER LOGIN

APPLY FOR ACCESS

API CATALOG

Available Services

All services return signed JSON responses. Access is controlled by membership tier.

Restricted

Identity Verify
v1 · GET /xroad/v1/identity/verify
Confirm NID is valid, active, and belongs to a live enrolled citizen. Returns status and match confidence.

```
{
  "nid": "556928810",
  "status": "ACTIVE",
  "verified": true,
  "enrolled_at": "2024-03-15"
}
```

X-BRIDGE PRODUCT SCREEN

FINANCIAL

Open Tier

Basic Data
v1 · GET /xroad/v1/identity/basic-data
Name, date of birth, and nationality for a verified NID. Requires citizen consent flag on request.

```
{
  "given_names": "JACKY",
  "surname": "CHANG",
  "dob": "1984-02-01",
  "nationality": "UTO"
}
```

copy

FINANCIAL

COMMERCIAL

All Tiers

Certificate Status
v1 · GET /OCSP
Real-time PKI certificate validity check. Returns revocation status, expiry date, and serial number.

```
{
  "serial": "4A2F...",
  "status": "GOOD",
  "expires": "2027-03-01",
  "revoked": false
}
```

copy

FINANCIAL

COMMERCIAL

ONBOARDING WITH CONTROLS

Membership carries rights, responsibilities and a clear service boundary.

Government entities, regulated financial institutions and commercial partners can be brought into the exchange with different onboarding paths, SLA expectations and service permissions.

The screenshot displays the 'UTOPIA CONNECT' website, a 'SECURE DATA EXCHANGE'. The navigation bar includes links for 'EGOV PORTAL', 'HOW IT WORKS', 'SERVICES', 'MEMBERSHIP', 'PARTNERS', 'PARTNER LOGIN', and an 'APPLY FOR ACCESS' button. The main heading is 'MEMBERSHIP Partner Tiers'. Three membership tiers are presented:

- GOVERNMENT Free**: Fast-track approval for GOV entities. Features include: All 5 services, Face Match included, 99.99% SLA, Direct onboarding support, and Unlimited API calls. An 'APPLY — GOV' button is at the bottom.
- FINANCIAL Licensed** (Most Popular): Volume-based. Contact sales for pricing. Features include: Identity Verify + Basic Data, Face Match (with DPA), 99.9% SLA with credits, Dedicated sandbox environment, and Unlimited calls (fair use). An 'APPLY — FINANCIAL' button is at the bottom.
- COMMERCIAL Licensed**: Self-service onboarding. Pay-as-you-go. Features include: NID Validate (free), Certificate Status, Basic Data (licensed), 99.5% SLA, and Face Match not available. An 'APPLY — COMMERCIAL' button is at the bottom.

An 'X-BRIDGE PRODUCT SCREEN' label is visible in the bottom left corner of the screenshot.

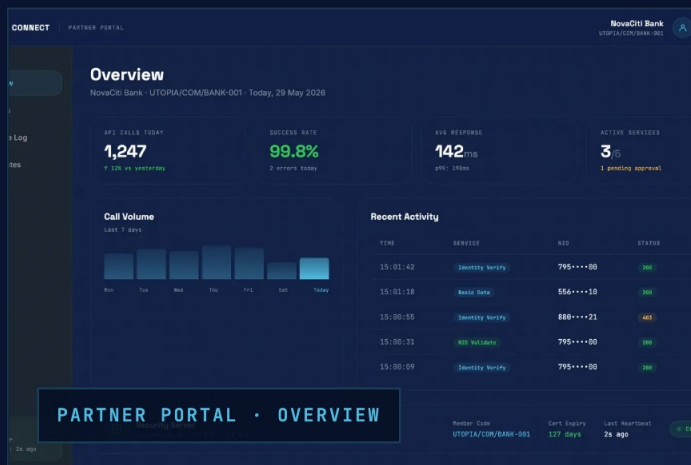
THE IMPORTANT CONTROL

Enhanced biometric services can require both programme approval and a signed data-processing agreement, in addition to the relevant member tier.

— OPERATE THE EXCHANGE WITH CONFIDENCE

Make rights, health and service access visible.

The member portal provides an operational view of traffic, response health, service activation and the Security Server itself, so responsible teams can act before trust or availability is affected.



CONNECT PARTNER PORTAL NovaCiti Bank UTOP1A/COM/BANK-001

Services

Manage your access to Utopia Connect API services.

SERVICE	TIER REQUIRED	MY ACCESS	CALLS THIS MONTH	ACTIONS
Identity Verify /person/v2/identity/verify	PENDING	Active	14,821	VIEW LOGS
Basic Data /person/v2/identity/basic-data	PENDING	Active	12,044	VIEW LOGS
Certificate Status /person/v2/certificates/status	ALL TIER	Active	8,192	VIEW LOGS
Face Match /person/v2/identity/face-match	PENDING	Pending Approval	—	REVIEWING DPA
API Validate /person/v2/validate	FREE	Not Applied	—	APPLY

PARTNER PORTAL • SERVICES

Service access stays visible

See which services are active, what is pending approval and where a data-processing agreement is needed before a service can be used.

— EVIDENCE THAT OPERATIONS CAN USE

Every request leaves a reviewable trail.

Audit is not an afterthought. X-Bridge records allowed and refused requests, masks national identifiers in the operational view and surfaces certificate expiry before it becomes an outage.

CONNECT PARTNER PORTAL NovaCiti Bank
UTPSIA/CON/BANK-001

Message Log

All inbound X-Road messages. Mandatory audit record.

Filter by service... Filter by RID...

DIR	TIMESTAMP	MESSAGE ID	SERVICE	RID	STATUS	DURATION
→	15:01:09	WAC00000-0	Identity Verifier	795****00	200	80ms
→	15:01:51	10020001-1	Basic Data	556****10	200	137ms
→	15:01:47	0001550-2	RID Validation	880****21	200	375ms
→	15:01:41	00700700-3	Certificate Status	795****00	400	115ms
→	15:00:30	PL020100-4	Identity Verifier	448****92	200	112ms
→	15:00:29	77000101-5	Identity Verifier	795****00	200	127ms
→	15:00:23	00010101-6	Basic Data	556****10	200	170ms
→	15:00:17	00010070-7	RID Validation	880****21	200	190ms
→	15:00:11	00010000-8	Certificate Status	795****00	400	155ms
→	15:00:05	00010000-9	Identity Verifier	448****92	200	118ms

MANDATORY MESSAGE LOG

CONNECT PARTNER PORTAL NovaCiti Bank
UTPSIA/CON/BANK-001

Certificates

Manage your Security Server and signing certificates.

Log

Security Server Certificate

Common Name: ss-roveclit.ut ✓ VALID

Issued By: Utopia X-Road CA

Expires: 2027-01-01 (127 days)

SHA-256 Fingerprint: 44:0F:01:...

DOWNLOAD RENEW

Signing Certificate

Expires in 22 days. Renew before 20 June 2026 to avoid service interruption.

Common Name: sign-roveclit.ut

Issued By: Utopia X-Road CA

Expires: 2026-06-20

SHA-256 Fingerprint: 44:0F:01:...

DOWNLOAD RENEW NOW

CERTIFICATE OPERATIONS

Masked evidence

Prove that a query occurred without exposing the full subject identifier to every person reviewing the message log.

Refusals are evidence too

Rejected requests sit beside successful ones, creating an access-control record rather than a simple traffic log.



— SECURE DATA EXCHANGE, BUILT FOR PUBLIC TRUST

Connect approved partners to the truth, without handing them the database.

Talk to Axon about the member model, Security Server rollout, service catalogue, policy controls and a phased route from pilot to national scale.

Talk to Our Team

axonwireless.com/platforms/x-bridge · sales@axonwireless.com