THE OFFER

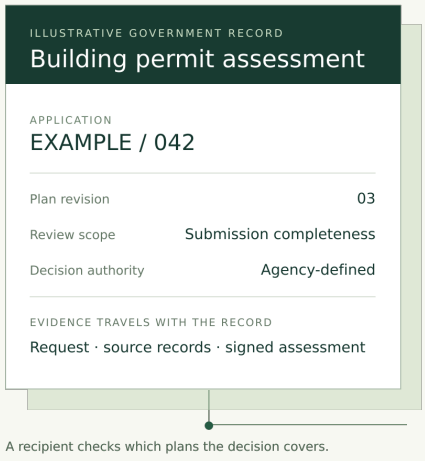
Official records. Verifiable wherever used.

Message-based security for government applications, agency decisions and the infrastructure that runs them.

Keep authority with the agency.

Rootz connects signed requests, data with Origin and available process measurements to signed outputs. A receiving system checks the evidence before its next action.

The agency defines who may approve, which rules apply and what makes a record current. The application delivers the public service.



Illustrative record. Proposed integration design; no government deployment is claimed.

Start with one consequential exchange.

A driver-licence renewal or a departmental permit assessment provides a defined transaction, an accountable authority and an output another system needs to rely on.

What the first delivery includes

An agreed message and evidence profile; signing and Binder integration; recipient verification; acceptance tests; and an operating handover.

PROPOSED INTEGRATION / DRIVER LICENSING

A renewal decision with a checkable history.

Preserve the connection between the application, the required checks, the approving authority and the issued record.

01 Establish the request

The agency application authenticates the applicant and signs a renewal request with purpose, scope and a unique request value.

02 Check the required sources

Use the registries and records the agency requires. Preserve their origin, version, status and the results of defined quality checks.

03 Record the processing conditions

Binder binds the request and result to the available measurements from the agreed application and infrastructure.

04 Apply the authorized decision

The agency owns eligibility rules and approval authority. Automation follows that policy; exceptions reach an accountable official.

05 Issue a signed result

Return a request-bound decision and an official record signed under the agency-approved authority model.

06 Verify at the point of use

Check issuer authority, integrity, freshness and current status under the recipient policy. Historical validity and current permission are different checks.

First scope: one renewal path, one source interface and one receiving system. Offline checks need an explicit policy for the age of status evidence.

PROPOSED INTEGRATION / BUILDING PERMITS

The approval must travel with the exact plans.

A record should identify which drawing revision was assessed, which authority acted and what conditions accompanied the decision.

Bind the submission to a revision

Keep the application reference, drawing set and version together. A change to covered plans creates a different content commitment.

Make referrals independently checkable

A receiving department checks the signed referral, sender authority and specific revision before assessing it.

Return an attributable assessment

Preserve the assessment, its conditions and the authorized reviewer or service identity with a signed result.

Keep the decision with its scope

The responsible agency approves under its own mandate. Its record names the plans and conditions it actually approved.

Carry amendments and status forward

Later systems distinguish an original approval, a revised approval, expiry or withdrawal using the authoritative status source.

A practical first integration

Submission completeness plus one departmental referral. Demonstrate that a changed drawing set or a response to another request cannot be accepted as the original assessment.

Public-service context: Rwanda Building Permits Management Information System (not a Rootz customer claim).

DEPLOYMENT & ACCEPTANCE

Define the authority. Prove the exchange.

Country, agency and service requirements belong in the implementation scope. African governments have different institutions, laws and infrastructure.

Named responsibilities

Agency: policy, mandate and decisions. Application provider: service workflow and interfaces. Operator: agreed hosting and keys. Rootz: message-security components and evidence integration. Partner: agreed delivery and support.

Requirements to settle

Authority and delegation; data custody and permitted disclosure; retention and key recovery; current-status access; language, accessibility and assisted channels; connectivity and operational continuity.

Acceptance before expansion

Accept the valid case. Detect altered output, mismatched requests, expired evidence and insufficient authority. Route exceptions. Exercise key rotation and recovery with the operating team.

Bring a real service to a working session.

Map one exchange with the service owner, application team and infrastructure partner. Leave with the evidence profile, delivery responsibilities and a proposal scope.

African Union Data Policy Framework

African Union Continental AI Strategy (2024)

World Bank GovTech program

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