

J0 - System Planning: Digital Key Management

J-Flow Phase: J0 - System Planning
Service ID: 001
Service Name: Digital Key Gen2 - Digital Key Management
Source: services/001-....md (DKM pp. 3-8)
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Functional Requirements

FR-001.1 [P0] Owner SHALL share digital key data with users/guests from smartphone. (sec.4)
FR-001.2 [P0] Configurable validity period for shared keys. (sec.1)
FR-001.3 [P0] Usage restrictions on shared keys. (sec.1)
FR-001.4 [P0] Server-side Key Management Server storage. (sec.4)
FR-001.5 [P1] Key Tracking Server for device-switch continuity. (sec.4)
FR-001.6 [P0] View all registered keys on smartphone. (sec.4)
FR-001.7 [P0] Remote manage shared keys from smartphone. (sec.4)
FR-001.8 [P1] Key enable/disable based on subscription status. (sec.4)
FR-001.9 [P1] Server-side audit logging for fraud investigation. (sec.1)
FR-001.10 [P0] Server generates config data pushed on sharing. (sec.4)

Use Cases

- Case 1: Owner shares key with users/guests via smartphone. Users use digital key. (sec.3)
- Case 2: Owner manages shared keys (view, revoke) on smartphone. (sec.3)
- Case 3: Key data retained server-side. Device-switch restores keys. (sec.4)