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RADIANT Authentication Overview

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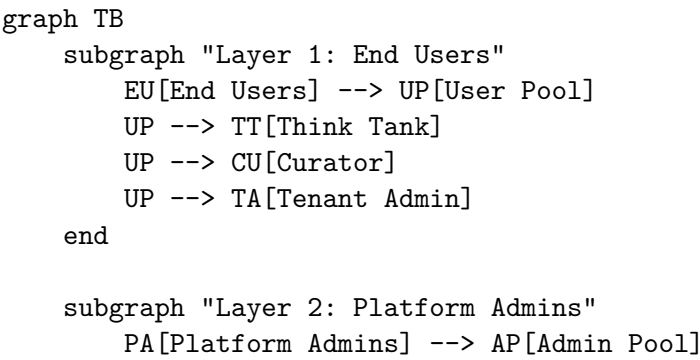
RADIANT provides enterprise-grade authentication with multi-layer security, supporting everything from individual users to large organizations with complex security requirements.

Key Features

Feature	Description
Multi-layer authentication	End users, tenant admins, and platform admins
Enterprise SSO	SAML 2.0 and OIDC integration
Two-Factor Authentication	Required for admin roles
OAuth 2.0 Provider	Third-party app integrations
18 Language Support	Full internationalization including RTL
Multi-language Search	CJK (Chinese, Japanese, Korean) support

Authentication Layers

RADIANT implements three distinct authentication layers, each designed for specific use cases:



```

    AP --> RA[RADIANT Admin]
end

subgraph "Layer 3: Services"
    SV[Services & Apps] --> AK[API Keys]
    SV --> M2M[M2M Tokens]
    AK --> API[RADIANT API]
    M2M --> API
end

style EU fill:#e1f5fe
style PA fill:#fff3e0
style SV fill:#f3e5f5

```

Layer 1: End-User Authentication

For users of Think Tank, Curator, and Tenant Admin applications.

Feature	Description
Sign-in Methods	Email/password, Google, Microsoft, Apple, GitHub
Enterprise SSO	SAML 2.0 and OIDC for organization-wide sign-in
Passkeys	WebAuthn/FIDO2 passwordless authentication
MFA	Optional for standard users, required for tenant admins
Languages	18 languages including Arabic (RTL)

Layer 2: Platform Administrator Authentication

For RADIANT platform operators and support staff.

Feature	Description
Access	Invitation-only (no self-registration)
MFA	Always required, cannot be disabled
Session Timeout	30 minutes (shorter than end users)
Audit	All actions logged with full context

Layer 3: Service Authentication

For programmatic access and third-party integrations.

Feature	Description
API Keys	Long-lived keys for server-to-server communication
OAuth Tokens	Short-lived tokens for third-party apps acting as users
Scopes	Fine-grained permissions for each token/key

Supported Languages

RADIANT authentication screens are available in 18 languages:

Language	Code	Direction	Search Method
English	en	LTR	PostgreSQL FTS
Spanish	es	LTR	PostgreSQL FTS
French	fr	LTR	PostgreSQL FTS
German	de	LTR	PostgreSQL FTS
Portuguese	pt	LTR	PostgreSQL FTS
Italian	it	LTR	PostgreSQL FTS
Dutch	nl	LTR	PostgreSQL FTS
Polish	pl	LTR	PostgreSQL simple
Russian	ru	LTR	PostgreSQL FTS
Turkish	tr	LTR	PostgreSQL FTS
Japanese	ja	LTR	pg_bigm bi-gram
Korean	ko	LTR	pg_bigm bi-gram
Chinese (Simplified)	zh-CN	LTR	pg_bigm bi-gram
Chinese (Traditional)	zh-TW	LTR	pg_bigm bi-gram
Arabic	ar	RTL	PostgreSQL simple
Hindi	hi	LTR	PostgreSQL simple
Thai	th	LTR	PostgreSQL simple
Vietnamese	vi	LTR	PostgreSQL simple

See [Internationalization Guide](#) for details on changing your language.

Security Features

Multi-Factor Authentication (MFA)

```
flowchart LR
    subgraph "MFA Methods"
        TOTP[Authenticator App<br/>TOTP]
        BC[Backup Codes<br/>10 one-time codes]
    end

    subgraph "Device Trust"
        DT[Remember Device<br/>30 days]
        DM[Device Management<br/>Up to 5 devices]
    end

    TOTP --> DT
    BC --> DT
```

Method	Description
TOTP	Time-based codes from authenticator apps (Google, Microsoft, 1Password, Authy)
Backup Codes	10 one-time recovery codes for emergency access
Device Trust	Skip MFA verification on trusted devices for 30 days

Enterprise SSO

flowchart LR

```

User --> App[RADIANT App]
App --> |"Redirect"| IdP[Identity Provider]
IdP --> |"SAML/OIDC"| App
App --> |"Session"| User

```

```

subgraph "Supported Providers"
    Okta
    AzureAD[Azure AD]
    Google[Google Workspace]
    OneLogin
    Custom[Custom SAML/OIDC]
end

```

```

IdP -.-> Okta
IdP -.-> AzureAD
IdP -.-> Google
IdP -.-> OneLogin
IdP -.-> Custom

```

OAuth for Third-Party Apps

Third-party applications can request permission to access RADIANT on behalf of users:

sequenceDiagram

```

participant User
participant App as Third-Party App
participant RADIANT

User->>App: Click "Connect to RADIANT"
App->>RADIANT: Authorization request
RADIANT->>User: Show consent screen
User->>RADIANT: Approve
RADIANT->>App: Authorization code
App->>RADIANT: Exchange for tokens
RADIANT->>App: Access token
App->>RADIANT: API requests (as user)

```

Application Matrix

Application	User Types	MFA	SSO	OAuth	Languages
Think Tank	Standard users	Optional (hidden)		N/A	18
Curator	Standard users	Optional (hidden)		N/A	18
Tenant Admin	Tenant admins/owners	Required		N/A	18
RADIANT Admin	Platform admins	Required		N/A	18

Quick Links

Document	Audience	Description
User Authentication Guide	End Users	Sign-in, password, passkeys
Tenant Admin Guide	Tenant Admins	SSO, user management, MFA policies
Platform Admin Guide	Platform Admins	System-wide auth configuration
MFA Setup Guide	All Admins	Two-factor authentication setup
OAuth Developer Guide	Developers	Building third-party integrations
Internationalization Guide	All	Language settings, RTL support
API Reference	Developers	Technical API documentation
Search API Reference	Developers	Multi-language search
Security Architecture	Security Teams	Compliance and architecture
Troubleshooting	All	Common issues and solutions

Related Documentation

- [RADIANT Admin Guide](#) - Platform administration
- [Think Tank Admin Guide](#) - Tenant administration
- [Think Tank User Guide](#) - End-user documentation
- [Engineering Implementation Vision](#) - Technical architecture