# PROJET TYPE- Keystore Information

## Android APK Signing Keystore

### Keystore Details

- \*\*File\*\*: `android.keystore`

- \*\*Location\*\*: `/Users/alainnataf/smaaks/PROJET-TYPE/android-app/android.keystore`

- \*\*Alias\*\*: `PROJET TYPE`

- \*\*Algorithm\*\*: RSA 2048-bit

- \*\*Validity\*\*: 10,000 days (27+ years)

- \*\*Format\*\*: JKS (Java KeyStore)

- \*\*Signature Algorithm\*\*: SHA256withRSA

### Passwords

- \*\*Keystore Password\*\*: `Sm@@ks2025Match!`

- \*\*Key Password\*\*: `Sm@@ks2025Match!` (same as keystore)

### Certificate Information

```

Subject: CN=PROJET TYPE, OU=SMAAKS, O=SMAAKS SAS, L=Paris, ST=IDF, C=FR

Issuer: Self-signed

Key Size: 2048-bit RSA

Signature Algorithm: SHA256withRSA

Valid for: 27+ years (until ~2052)

```

### Build & Sign Process

#### Prerequisites

```bash

# Set Java 17 environment (REQUIRED - Java 24 will fail)

export JAVA\_HOME="/opt/homebrew/opt/openjdk@17/libexec/openjdk.jdk/Contents/Home"

export PATH="$JAVA\_HOME/bin:$PATH"

# Verify Java version

java -version # Should show version 17.x

```

#### Build Commands (Auto-Signed)

```bash

# Navigate to android-app directory

cd android-app

# Clean previous builds

./gradlew clean

# Build debug APK (for testing)

./gradlew assembleDebug

# Build release APK (auto-signed for production)

./gradlew assembleRelease

# Build Android App Bundle (auto-signed for Google Play Store)

./gradlew bundleRelease

# Build both APK and AAB

./gradlew assembleRelease bundleRelease

```

#### Signing Configuration

Signing is now \*\*automatic\*\* via `gradle.properties`:

```

MYAPP\_UPLOAD\_STORE\_FILE=android.keystore

MYAPP\_UPLOAD\_KEY\_ALIAS=PROJET TYPE

MYAPP\_UPLOAD\_STORE\_PASSWORD=Sm@@ks2025Match!

MYAPP\_UPLOAD\_KEY\_PASSWORD=Sm@@ks2025Match!

```

### APK Information

- \*\*Package ID\*\*: `com.PROJET.TYPE`

- \*\*App Name\*\*: PROJET TYPE

- \*\*Version Name\*\*: 1.6

- \*\*Version Code\*\*: 9

- \*\*Min SDK\*\*: 21 (Android 5.0+)

- \*\*Target URL\*\*: https://PROJET-TYPE.vercel.app

- \*\*Type\*\*: Trusted Web Activity (TWA)

### App Features

- 🎨 Purple theme (#5A2D82) matching web app

- 📱 Adaptive launcher icons

- 🚀 App shortcuts: Mes Groupes & Créer un Groupe

- 📲 Native Android integration

- 🌐 Offline support with custom page

- 🔔 Push notifications ready

### Digital Asset Links (App Links)

- \*\*File Location\*\*: `public/.well-known/assetlinks.json`

- \*\*SHA256 Fingerprint\*\*: `34:CA:4F:B9:35:36:D5:5A:B6:E5:4A:AF:42:89:69:24:B2:2A:E6:49:E8:D2:71:82:DE:29:2C:5E:FB:92:F0:31`

- \*\*Package Name\*\*: `com.PROJET.TYPE`

- \*\*Production URL\*\*: https://PROJET-TYPE.vercel.app/.well-known/assetlinks.json

- \*\*Purpose\*\*: Enables deep linking and domain verification in Google Play

### Security Best Practices

- 🔐 \*\*Strong Passwords\*\*: 16+ characters with special chars (@), numbers, mixed case

- 🏦 \*\*Safe Storage\*\*: Store keystore in multiple secure locations

- 🚫 \*\*Never Commit\*\*: Keep keystore out of version control (.gitignore configured)

- 💾 \*\*Backup Strategy\*\*: Maintain encrypted backups

- 🔑 \*\*Password Manager\*\*: Store credentials securely

- 🔒 \*\*Environment Variables\*\*: Use for CI/CD automation

### Environment Variables (CI/CD)

```bash

# Recommended environment variables

export SMAAKS\_KEYSTORE\_PATH="/path/to/android.keystore"

export SMAAKS\_KEYSTORE\_PASSWORD="Sm@@ks2025Match!"

export SMAAKS\_KEY\_ALIAS="PROJET TYPE"

```

### Troubleshooting

#### APK Installation Issues

- \*\*"App not installed" error\*\*: Use debug version for testing

- \*\*Certificate issues\*\*: This keystore has been tested and confirmed working

- \*\*Java version\*\*: MUST use Java 17, not Java 24+

- \*\*Path issues\*\*: Ensure android.keystore is in android-app/app/ directory

#### Common Fixes

```bash

# If APK won't install, try debug version first

./gradlew assembleDebug

# Check APK signature

jarsigner -verify app/build/outputs/apk/release/app-release.apk

# Install via ADB

adb install -r PROJET-TYPE-v1.2-CLEAN.apk

```

### Distribution Files

- \*\*APK\*\* (sideloading): `PROJET-TYPE-v1.6-VersionCode9.apk`

- \*\*AAB\*\* (Google Play): `PROJET-TYPE-v1.6-GooglePlay-VersionCode9.aab`

- \*\*Debug APK\*\* (testing): Available via `./gradlew assembleDebug`

### File Locations

```

PROJET-TYPE/

├── android-app/

│ ├── android.keystore # Signing keystore (DO NOT COMMIT)

│ ├── app/android.keystore # Copy for Gradle build

│ ├── twa-manifest.json # TWA configuration

│ ├── app/build/outputs/

│ │ ├── apk/

│ │ │ ├── debug/app-debug.apk # Debug build

│ │ │ └── release/app-release.apk # Release APK (signed)

│ │ └── bundle/release/app-release.aab # Release AAB (signed)

│ ├── PROJET-TYPE-v1.6-VersionCode9.apk # Final production APK

│ └── PROJET-TYPE-v1.6-GooglePlay-VersionCode9.aab # Google Play App Bundle

└── KEYSTORE.md # This documentation

```

### Distribution Guide

- \*\*Google Play Store\*\*: Use AAB from `./gradlew bundleRelease`

- \*\*Direct Installation\*\*: Use `PROJET-TYPE-v1.6-VersionCode9.apk`

- \*\*Testing/Development\*\*: Use debug APK from `./gradlew assembleDebug`

### Version History

- \*\*v1.0\*\* (Sept 16, 2025): Initial release for PROJET TYPEPWA

- \*\*v1.1\*\* (Sept 16, 2025): Changed package ID to com.PROJET.TYPE to avoid conflicts

- \*\*v1.2\*\* (Sept 16, 2025): Complete cleanup - removed all smaaks-match references

- \*\*v1.5\*\* (Sept 21, 2025): Google Play Store release - versionCode 8, optimized build

- \*\*v1.6\*\* (Sept 22, 2025): Dashboard fixes and app improvements - versionCode 9

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\*\*⚠️ CRITICAL: This keystore must be used for ALL future updates to maintain app continuity on Google Play Store.\*\*

\*\*✅ VERIFIED: This keystore configuration has been tested and confirmed working on Android devices.\*\*