



Step-by-Step Guide — Fix “Unable to Get Scala Version” in IntelliJ (Windows 11 + WSL or Native)

Step 1: Check if the Scala Plugin is Installed


IntelliJ Community Edition doesn't include Scala by default.

1. Open IntelliJ
 2. Go to:
File → **Settings** → **Plugins** → **Installed**
 3. Search for “Scala”
 -  If installed → Make sure it's **Enabled**
 -  If not installed →
Click **Marketplace** → **search “Scala”** → **Install** → Restart IntelliJ
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Step 2: Verify Your Project Type

Scala projects in IntelliJ require one of the following:

- **SBT project** (recommended)
- **Maven project** with Scala dependencies
- Manual Scala SDK configuration (last resort)

 If your project was just imported as a normal folder, IntelliJ won't know about Scala.

Fix:

- Right-click your project folder
 - Choose **“Add Framework Support”** → **Scala**
 - Then IntelliJ will prompt to install a Scala SDK.
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Step 3: Manually Add the Scala SDK

If IntelliJ still doesn't show Scala version:

1. Go to
File → **Project Structure** → **Global Libraries**
2. Click the **+** icon → **Scala SDK**

3. Choose “**Download**”
4. Select version **2.12.18** (for Spark 3.x)
5. Apply → OK 

Then go to:

File → Project Structure → Modules → Dependencies Tab → Add Scala SDK

Step 4: Check or Create `build.sbt`

If your project doesn't have a `build.sbt`, create one at the root:

```
name := "SparkTest"

version := "0.1"

scalaVersion := "2.12.18"

libraryDependencies += Seq(
  "org.apache.spark" %% "spark-core" % "3.5.1",
  "org.apache.spark" %% "spark-sql" % "3.5.1"
)
```

Then click on:

Import SBT Project or Load SBT Changes

You'll now see Scala SDK auto-linked and the version detected.

Step 5: Check via SBT Shell or Terminal

If IntelliJ doesn't display the version in GUI:

1. Open **SBT Shell** in IntelliJ (bottom panel), or
2. Open **PowerShell / Command Prompt** in your project folder

Run:

```
sbt scalaVersion
```

Expected output:

```
[info] 2.12.18
```

Step 6: If You Don't Have SBT Installed

Install SBT on Windows 11:

Option 1 — via WSL (Recommended):

```
sudo apt update
sudo apt install sbt
```

Option 2 — via Windows directly:

- Download from <https://www.scala-sbt.org/download.html>
- Add `C:\Program Files (x86)\sbt\bin` to your Windows PATH

Then run:

```
sbt about
```

 It shows both **Scala** and **SBT versions**

Step 7: Reload IntelliJ Project

Once you've fixed plugin + SDK + SBT:

1. Close IntelliJ
 2. Delete `.idea/` and `target/` folders (optional cleanup)
 3. Reopen IntelliJ → Open your `build.sbt` → It should auto-detect Scala
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Verify It's Working

Go to:

View → Tool Windows → SBT Shell

and type:

scalaVersion

Output should show:

[info] 2.12.18
