



Corso di Laurea in Informatica
III Anno Triennale
Programmazione Distribuita – classe 1



Setting up the development environment

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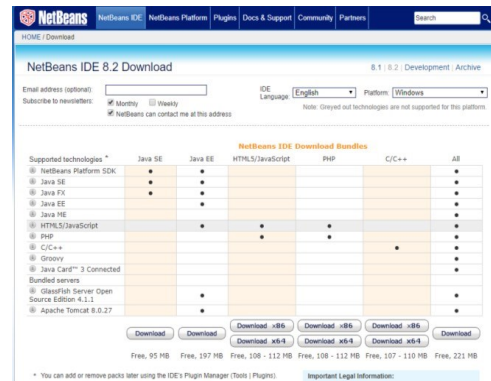
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Organizzazione della lezione

- Setup dell'ambiente di sviluppo
 - NetBeans e GlassFish
 - Netbean 8+, GlassFish v. 5.0
 - Java 1.8
- Come caricheremo i progetti
- Conclusioni

Installazione di NetBeans

- Download NetBeans
 - Java EE (non scaricare GlassFish Server)

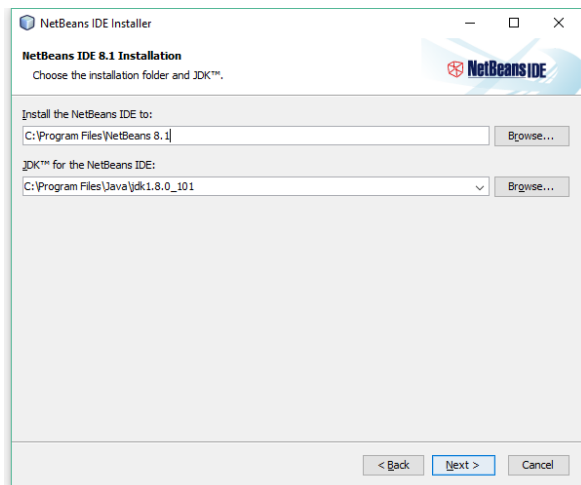


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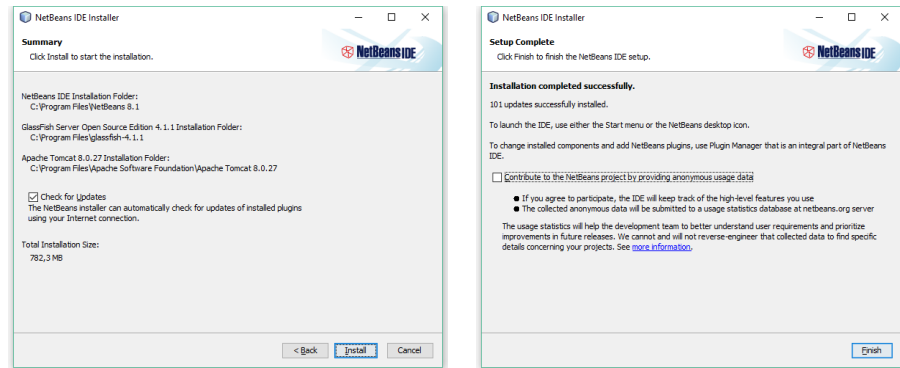
Installazione di NetBeans

- Download NetBeans
 - Java EE (non scaricare GlassFish Server)

Rileva automaticamente i setting di Java



Installazione di NetBeans



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 - Java EE (non scaricare GlassFish Server)

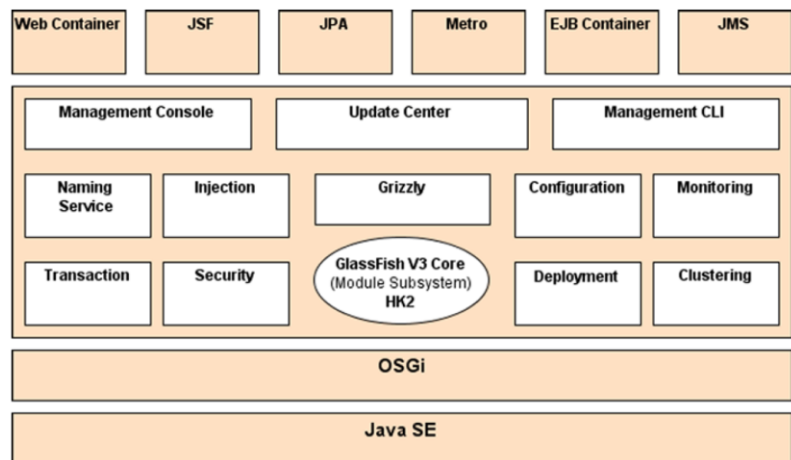
GlassFish: application server di riferimento

- Reference Implementation
- Non solo il server “di default” (scaricato con Java EE)
- ... ma anche un server che può essere usato per applicazioni industriali
- Origini che vanno al server Tomcat, nel 2005 (primo shipping nel 2006)
- Comunità viva e vitale, con documentazione di buona qualità
- Versione “community” (=free) e “supported” (con tool aggiuntivi di monitoraggio, ma con lo stesso core)

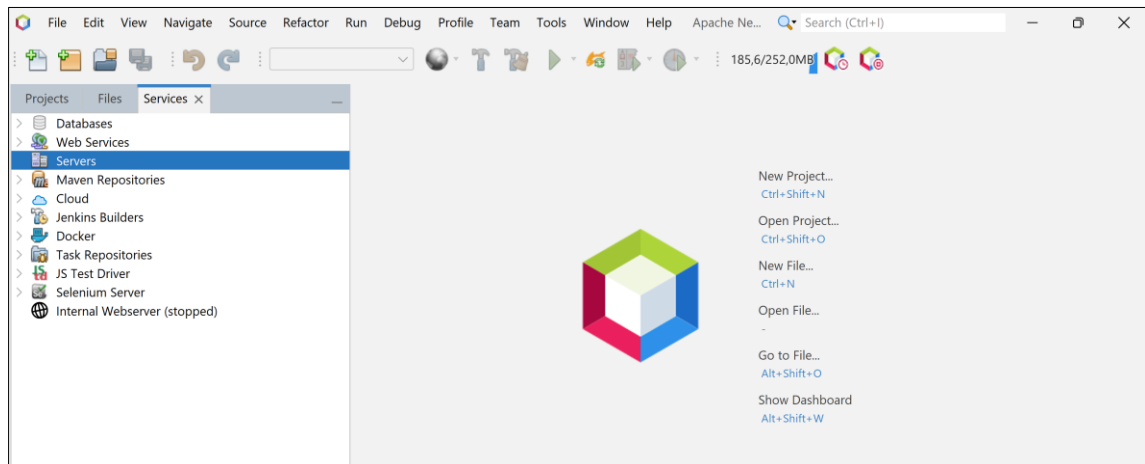
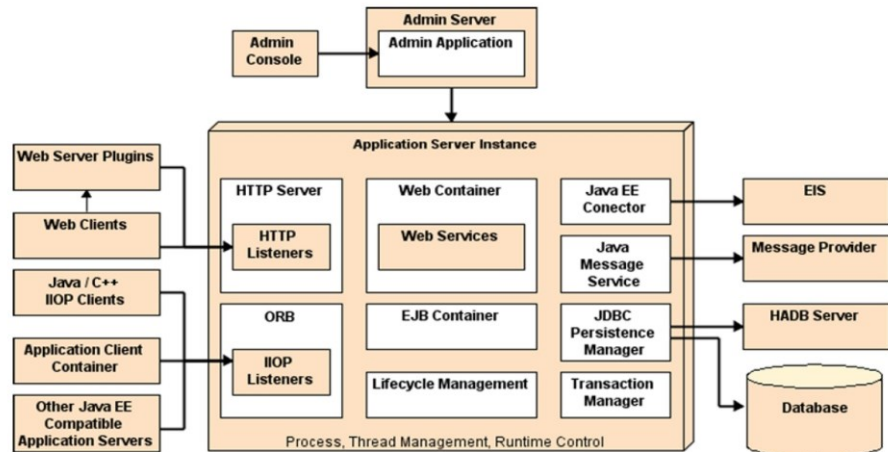
Architettura di GlassFish

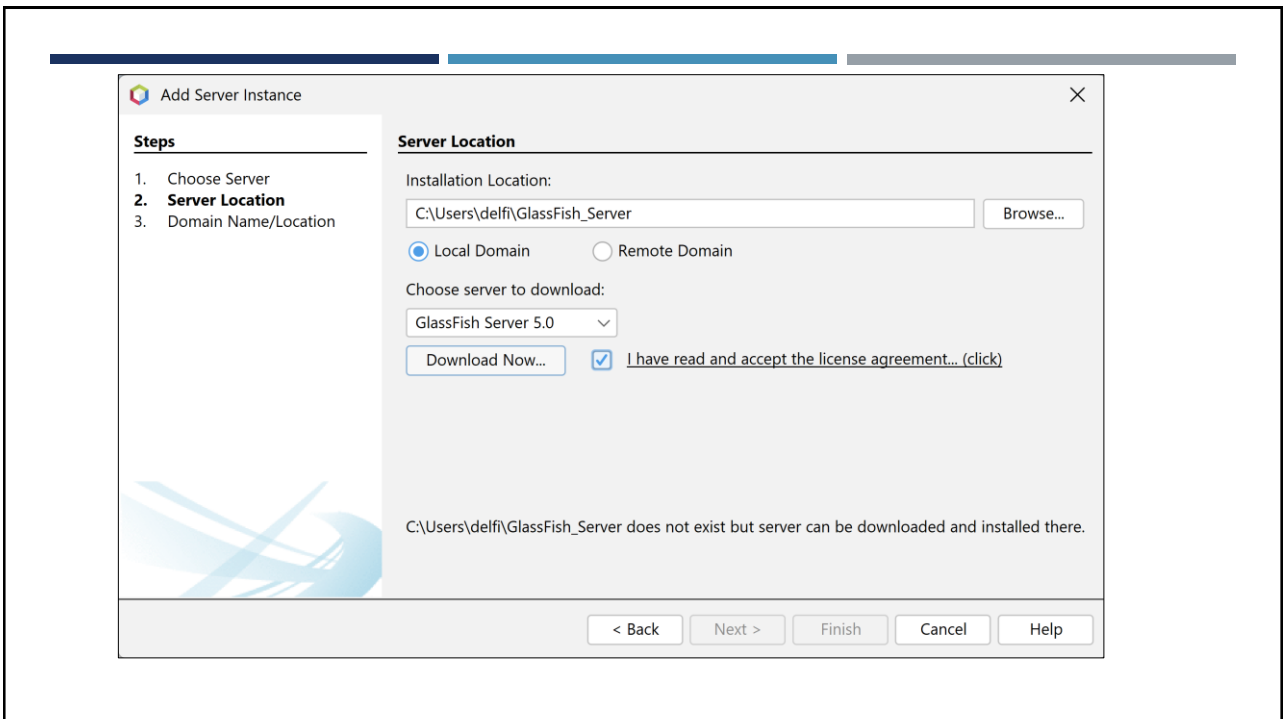
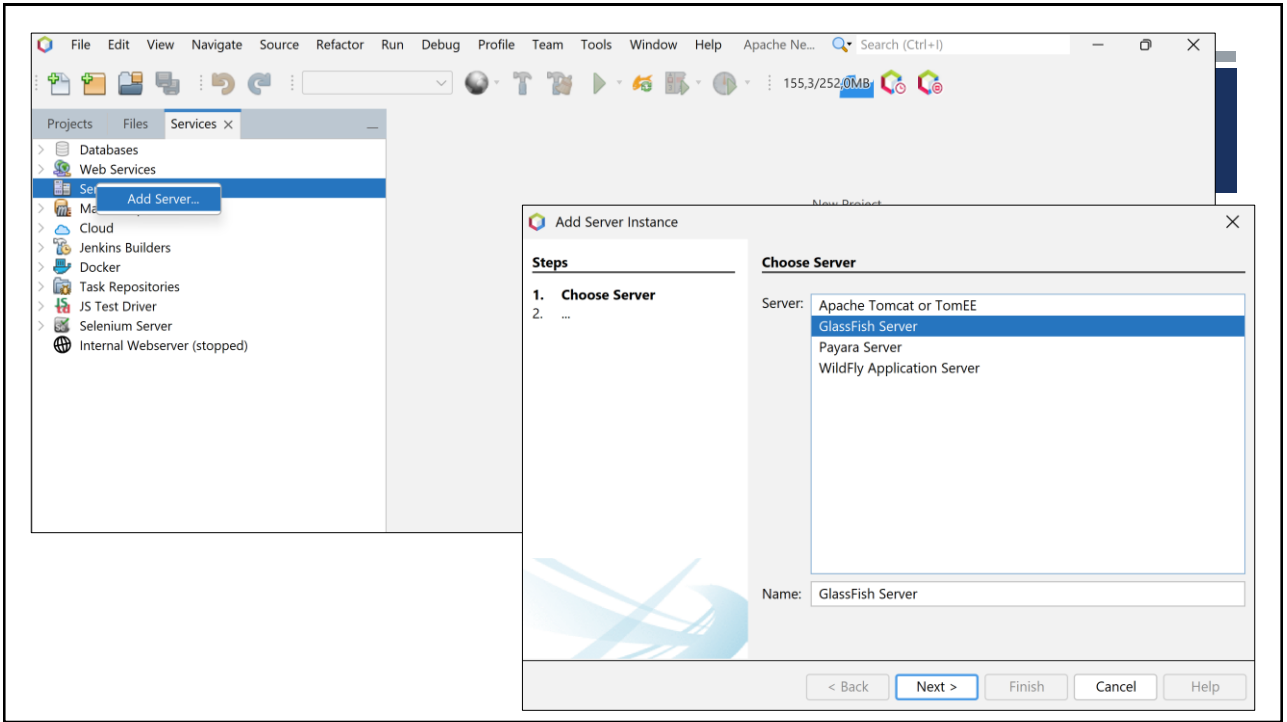
- Come programmatori, abbiamo bisogno di capire la architettura a “grana grossa” del server (dettagli non strettamente influenti sulle funzionalità fornite)
- Costruito su un kernel modulare basato su standard OSGi
- OSGi è uno standard (commerciale Ericsson, IBM, Oracle) per la gestione dinamica di componenti nei sistemi, e la loro scoperta e utilizzo senza reboot
 - componenti che riconoscono l'aggiunta/rimozione di altre componenti a run-time
- Diversi sistemi sono costruiti su standard OSGi (Apache Felix implementazione free, Equinox (Eclipse))
- Caratteristiche: leggerezza (utile per testing in-site)
- Installazione standard: 8080 server, 4848 console di admin

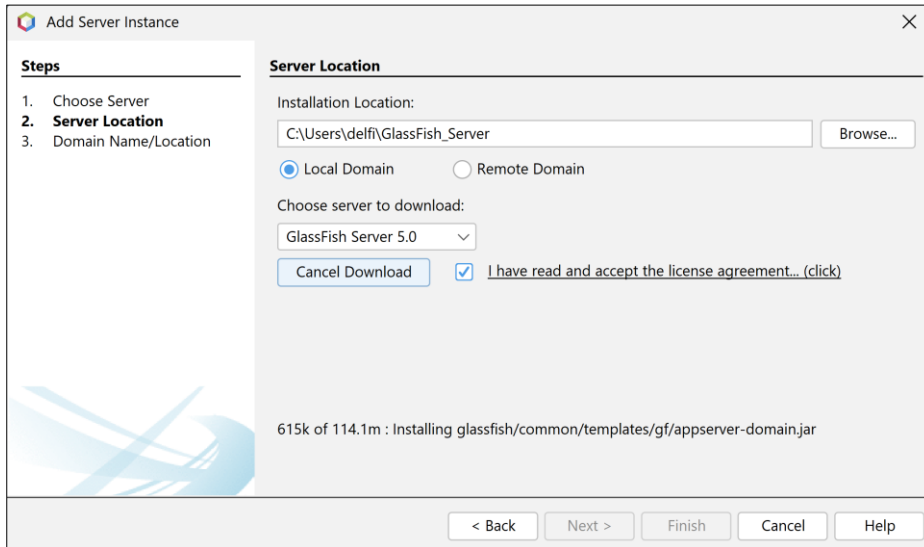
Architettura di GlassFish



Funzionalità di GlassFish







Add Server Instance

Steps

1. Choose Server
- 2. Server Location**
3. Domain Name/Location

Server Location

Installation Location:
C:\Users\delfi\GlassFish_Server Browse...

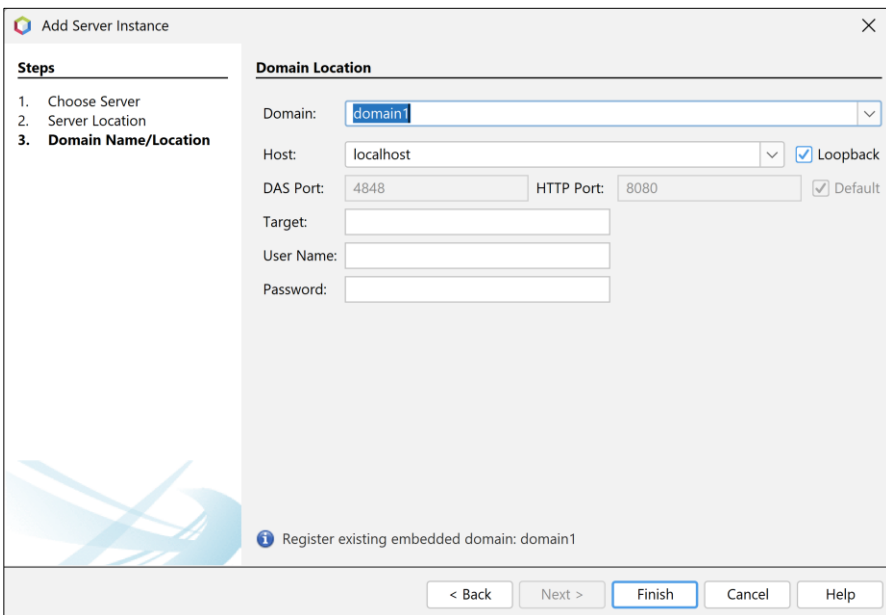
☒ Local Domain ☐ Remote Domain

Choose server to download:
GlassFish Server 5.0 v

Cancel Download ☒ [I have read and accept the license agreement... \(click\)](#)

615k of 114.1m : Installing glassfish/common/templates/gf/appserver-domain.jar

< Back Next > Finish Cancel Help



Add Server Instance

Steps

1. Choose Server
2. Server Location
- 3. Domain Name/Location**

Domain Location

Domain: domain1 v

Host: localhost v ☒ Loopback

DAS Port: 4848 HTTP Port: 8080 ☒ Default

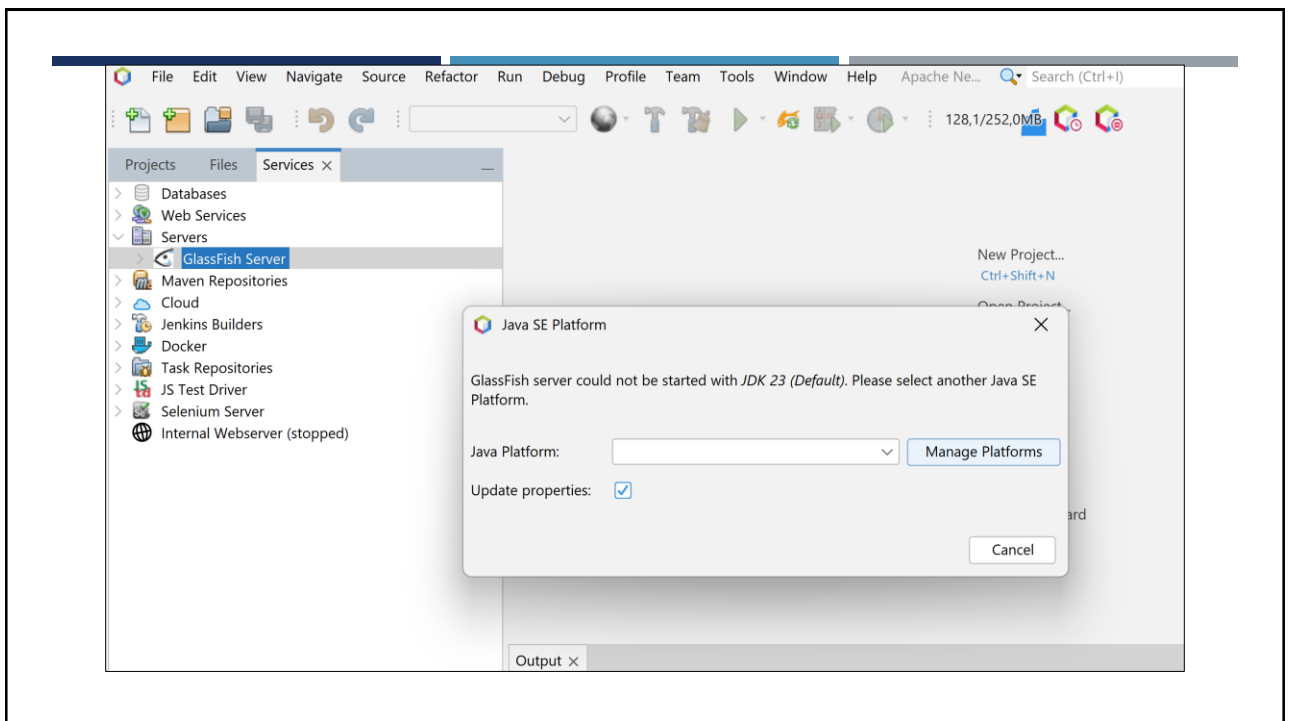
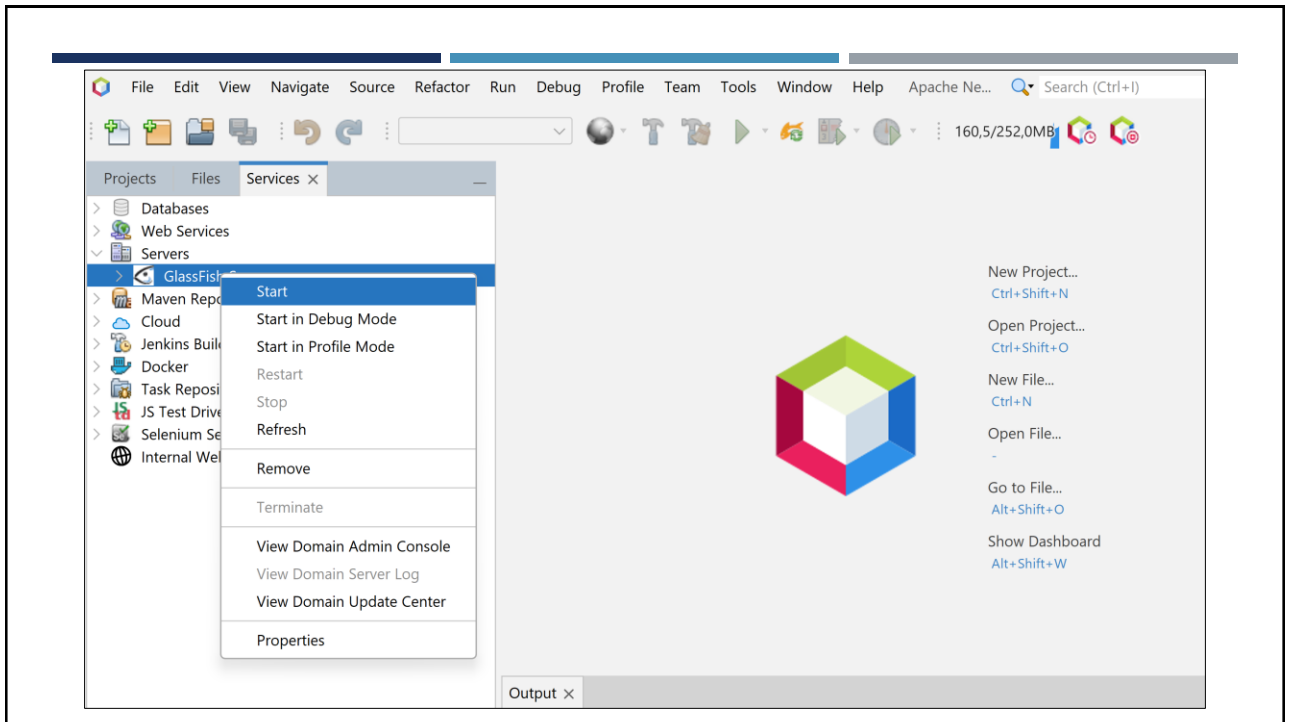
Target:

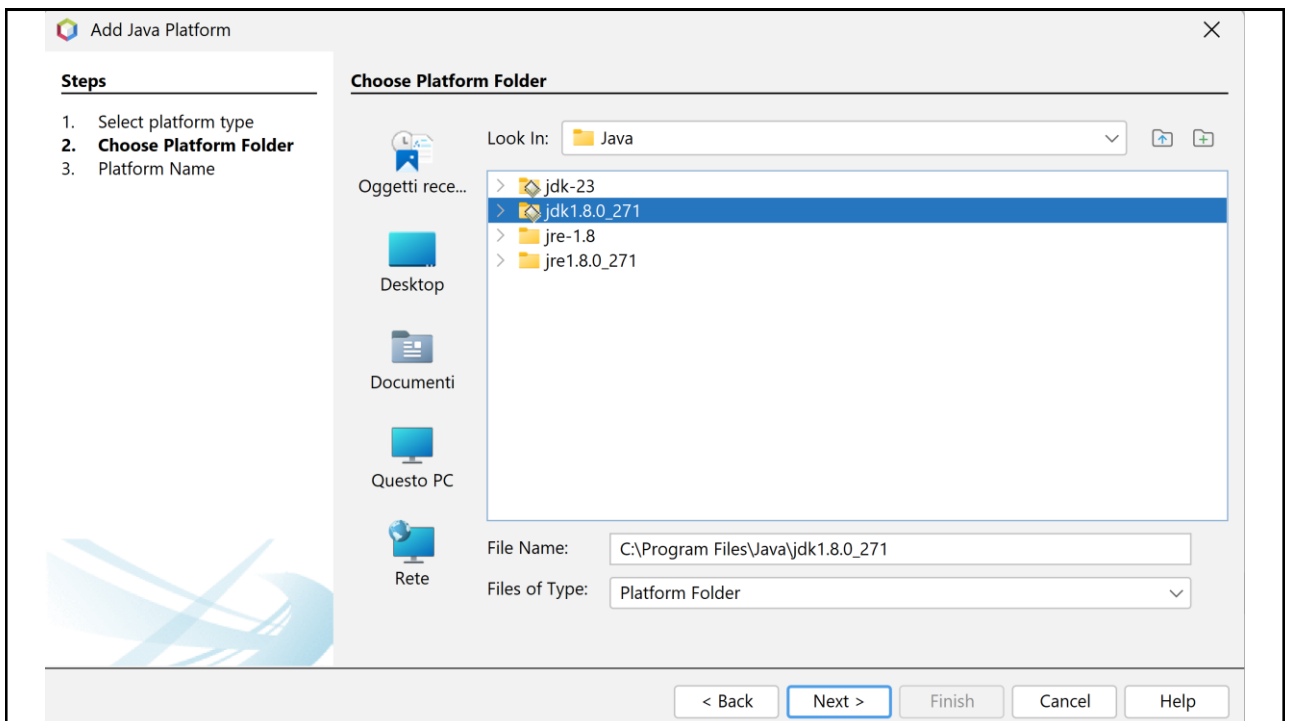
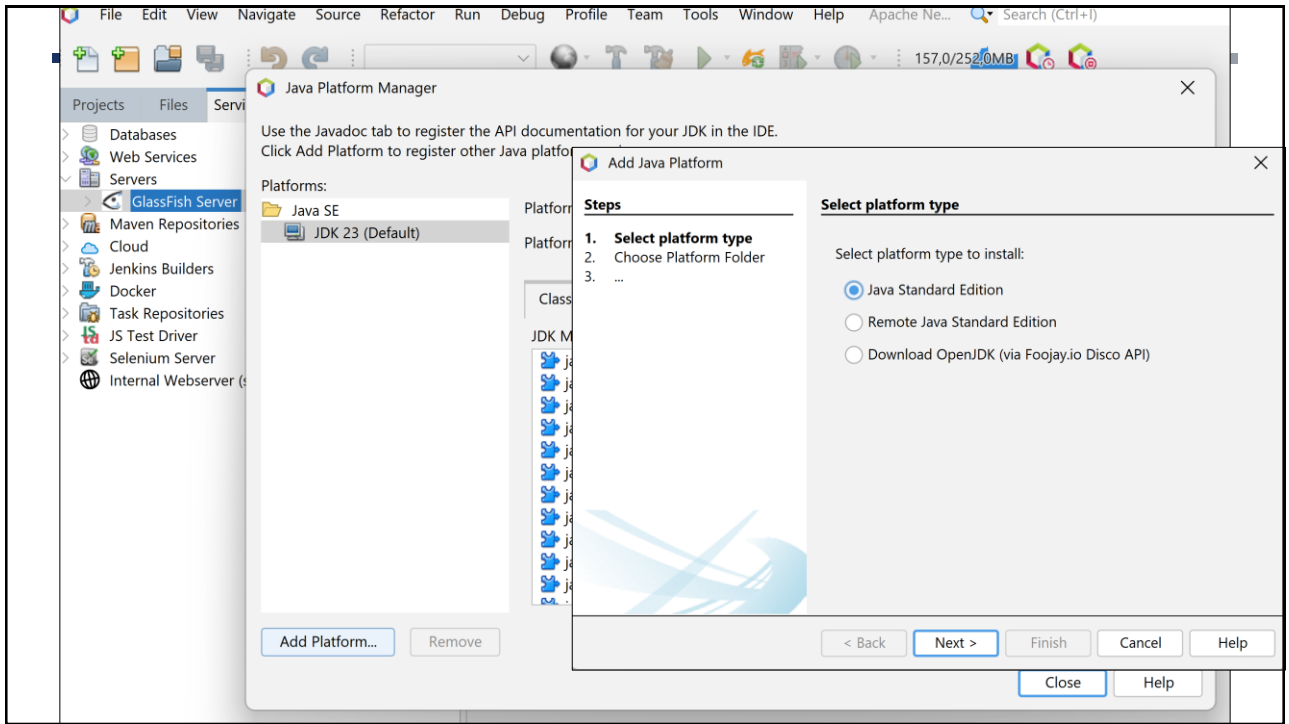
User Name:

Password:

i Register existing embedded domain: domain1

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Add Java Platform

Steps

1. Select platform type
2. Choose Platform Folder
3. **Platform Name**

Platform Name

Platform Name:

Platform Sources:

Platform Javadoc:

< Back Next > **Finish** Cancel Help

Java Platform Manager

Use the Javadoc tab to register the API documentation for your JDK in the IDE.
Click Add Platform to register other Java platform versions.

Platforms:

- Java SE
- JDK 1.8**
- JDK 23 (Default)

Platform Name:

Platform Folder:

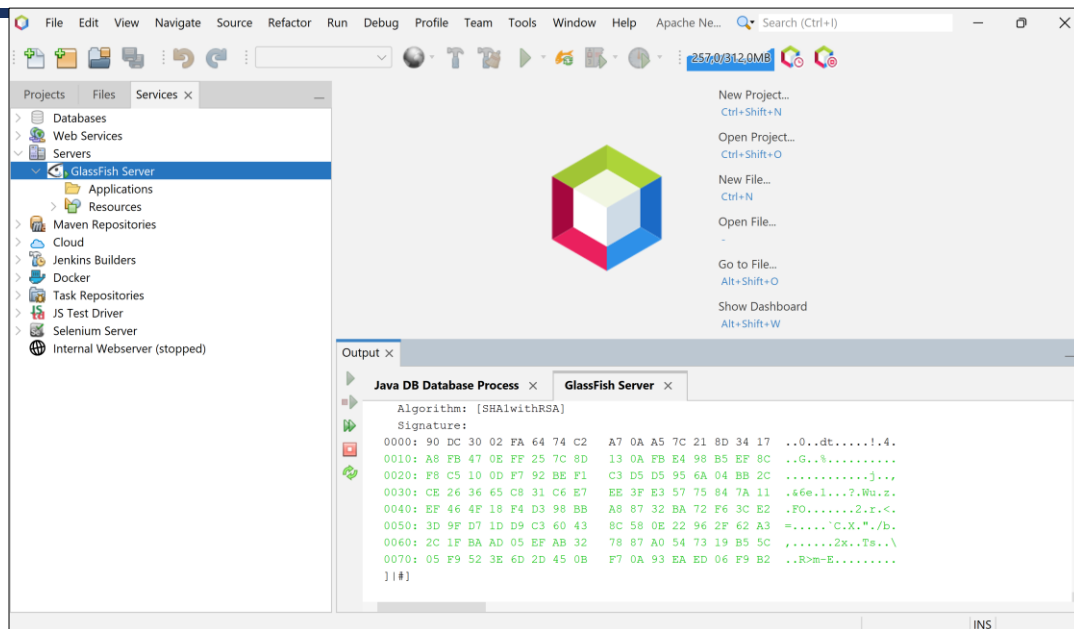
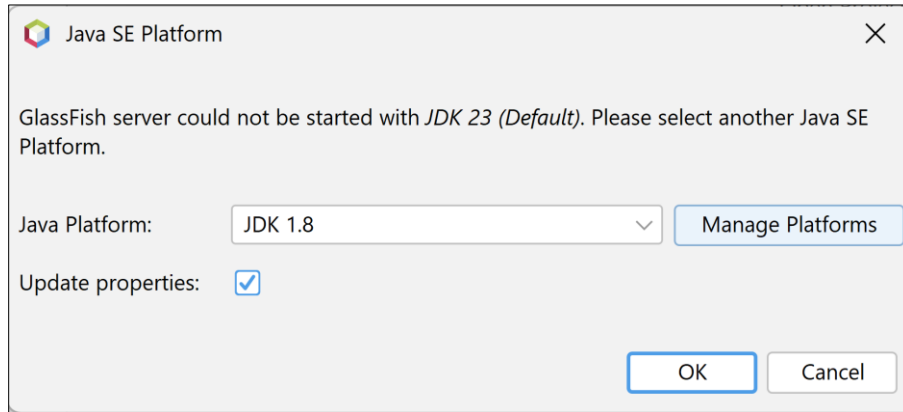
Classes Sources Javadoc

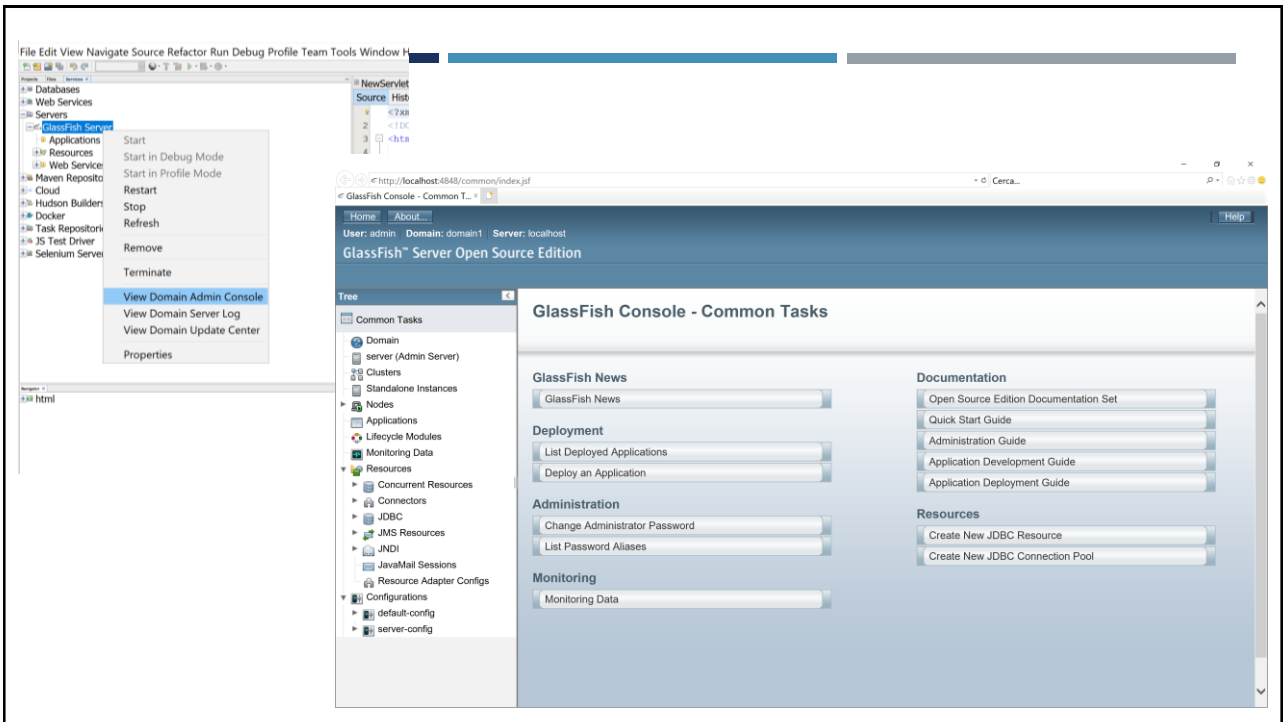
Platform Classpath:

- C:\Program Files\Java\jdk1.8.0_271\jre\lib\resources.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\rt.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\sunrsasign.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\jsse.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\jce.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\charsets.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\jfr.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\classes
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\ext\access-bridge-64.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\ext\cldrdata.jar
- C:\Program Files\Java\jdk1.8.0_271\jre\lib\ext\dnsns.jar

Add Platform... Remove

Close Help



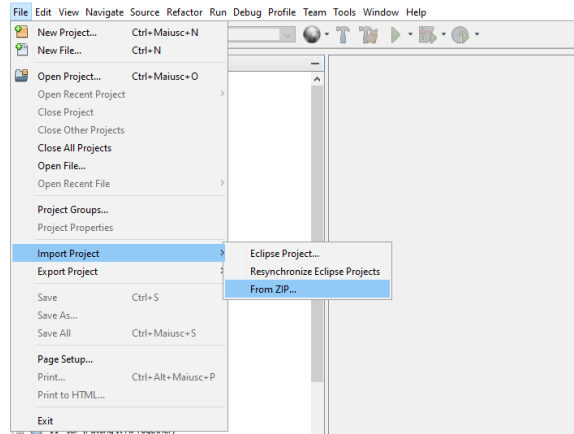


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Importiamo i progetti

- Caricamento progetti



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