

# *Serviços de Dados Geográficos*

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**Direção-Geral do Território**



# GeoServer

## Instalação

- Instalação



Platform Independent Binary

Operating system independent runnable binary.



Mac OSX Installer

DMG for OSX platforms.



Windows Installer

Installer for Windows platforms.



Web Archive

Web Archive (war) for servlet containers.

- Executável

- War container

- + Java Runtime Environment (JRE)

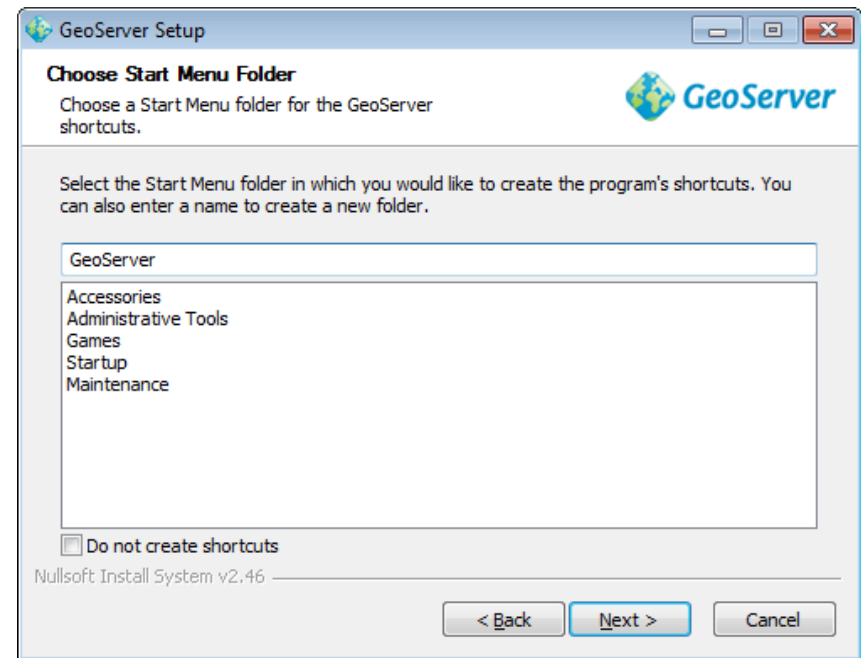
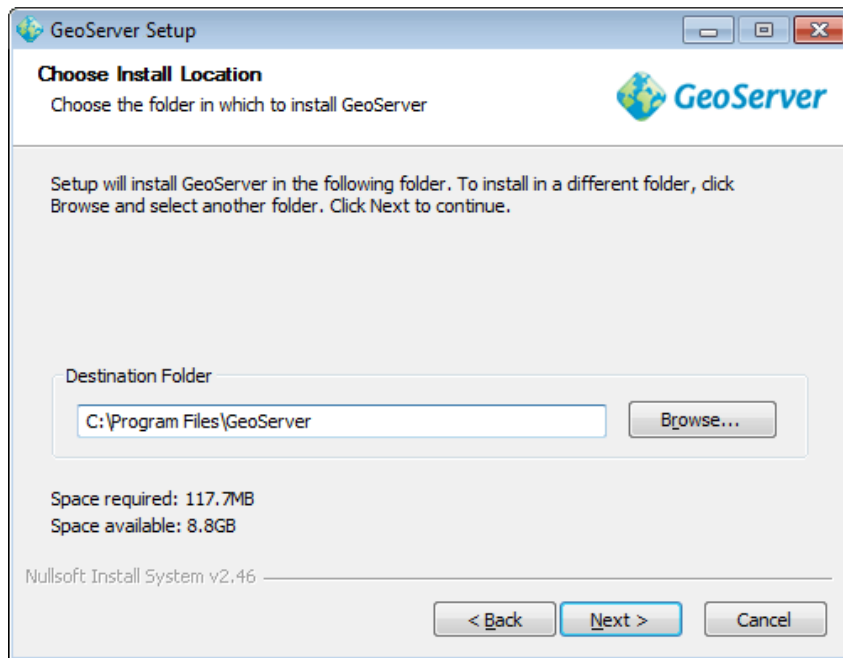
- Última versão com Windows installer:

- <http://geoserver.org/release/2.14.3/>

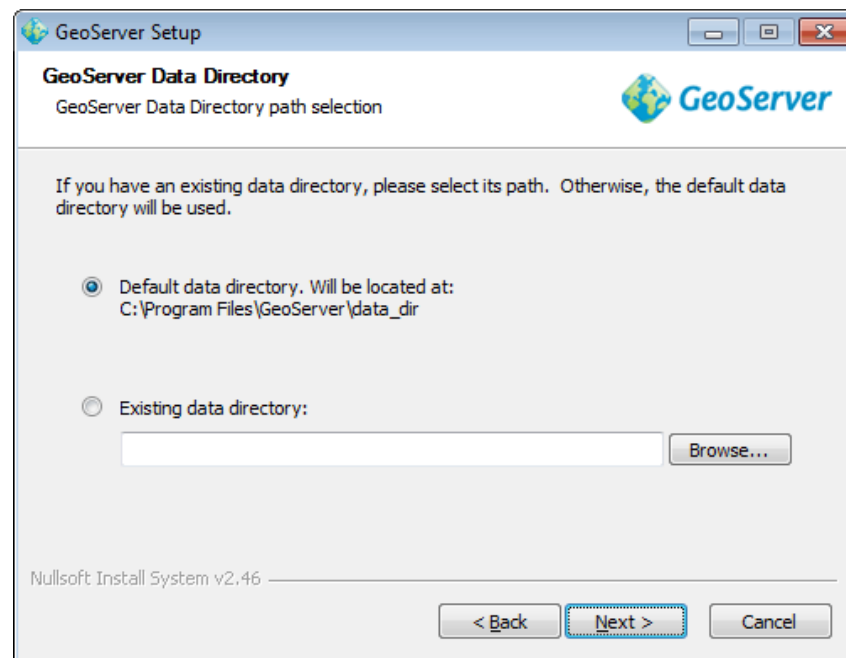
- Instalação em Windows
  - Executar o installer (.exe)



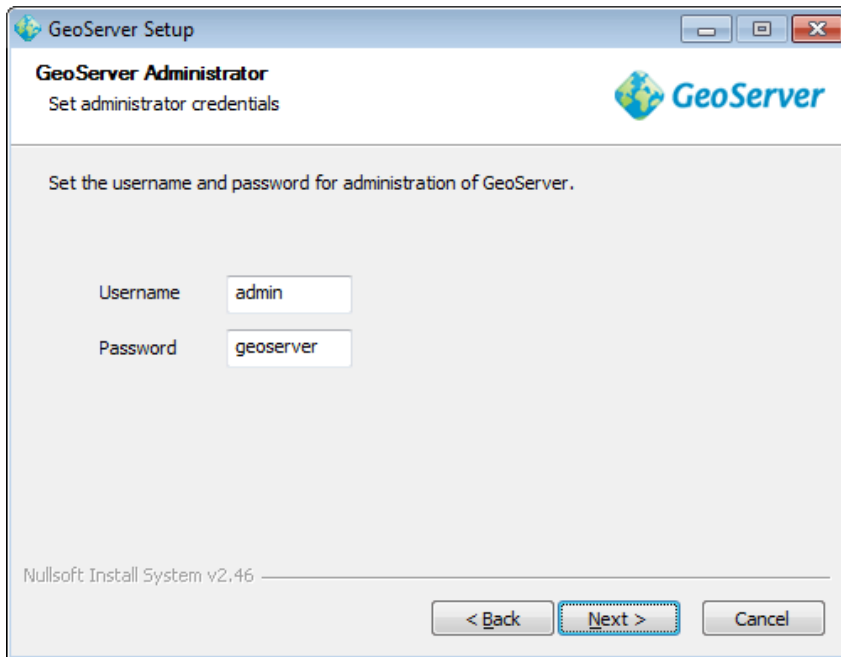
- Instalação em Windows



- Instalação em Windows



- Instalação em Windows



GeoServer Setup

**GeoServer Administrator**  
Set administrator credentials

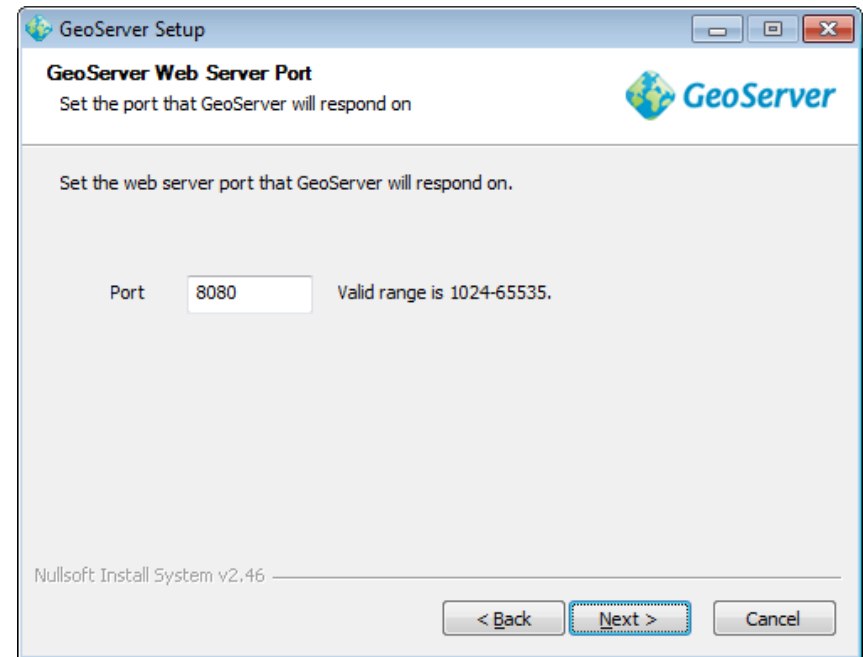
Set the username and password for administration of GeoServer.

Username

Password

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GeoServer Setup

**GeoServer Web Server Port**  
Set the port that GeoServer will respond on

Set the web server port that GeoServer will respond on.

Port  Valid range is 1024-65535.

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- Instalação em Windows

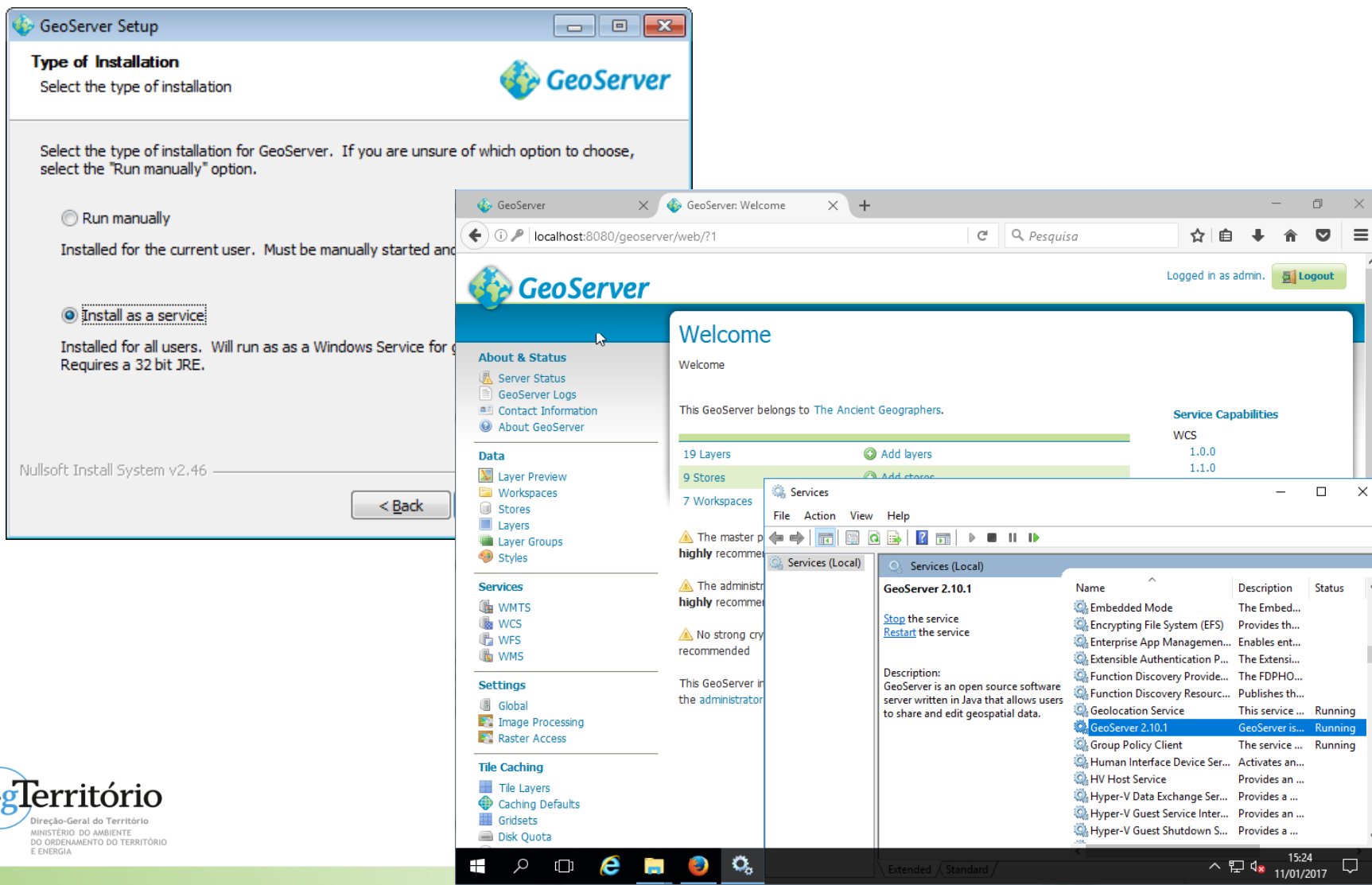


## GeoServer Data Directory

É onde serão armazenadas as **configurações** e os **dados** do GeoServer; Ficam armazenados também os estilos (SLD), FeatureTypes que contêm as configurações das layers, e também as imagens georeferenciadas (ex.: Raster).



- Instalação em Windows



The image shows the GeoServer installation process and the resulting web interface. On the left, the 'GeoServer Setup' window is open, showing the 'Type of Installation' screen. The 'Install as a service' option is selected. The main part of the image shows the GeoServer web interface in a browser window at localhost:8080/geoserver/web/?1. The interface displays a 'Welcome' message and a sidebar with navigation options like 'About & Status', 'Data', 'Services', 'Settings', and 'Tile Caching'. A 'Services (Local)' window is also open, showing a list of services with 'GeoServer 2.10.1' highlighted and its status as 'Running'.

**GeoServer Setup - Type of Installation**

Select the type of installation

Select the type of installation for GeoServer. If you are unsure of which option to choose, select the "Run manually" option.

- Run manually  
Installed for the current user. Must be manually started and stopped.
- Install as a service**  
Installed for all users. Will run as a Windows Service for the current user. Requires a 32 bit JRE.

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**GeoServer Web Interface**

localhost:8080/geoserver/web/?1

Logged in as admin. [Logout](#)

**Welcome**

Welcome

This GeoServer belongs to The Ancient Geographers.

**Service Capabilities**

Service	Version
WCS	1.0.0
	1.1.0

**Services (Local)**

Name	Description	Status
GeoServer 2.10.1	GeoServer is an open source software server written in Java that allows users to share and edit geospatial data.	Running
Embedded Mode	The Embed...	
Encrypting File System (EFS)	Provides th...	
Enterprise App Managemen...	Enables ent...	
Extensible Authentication P...	The Extensi...	
Function Discovery Provide...	The FDPHO...	
Function Discovery Resourc...	Publishes th...	
Geolocation Service	This service ...	Running
GeoServer 2.10.1	GeoServer is...	Running
Group Policy Client	The service ...	Running
Human Interface Device Ser...	Activates an...	
HV Host Service	Provides an ...	
Hyper-V Data Exchange Ser...	Provides a ...	
Hyper-V Guest Service Inter...	Provides an ...	
Hyper-V Guest Shutdown S...	Provides a ...	

- Instalação em Windows

- Extensões

1. Download da extensão.

2. Extrair e copiar para

<GEOSERVER\_ROOT>/WEB-INF/lib

C:\Program Files\GeoServer 2.10.1\webapps\geoserver\WEB-INF\lib

3. Restart do GeoServer.

## Vector Formats

- App Schema
- ArcSDE
- DB2
- H2
- MySQL
- Oracle
- Pregeneralized Features
- SQL Server
- Teradata

## Output Formats

- Excel
- Image Map
- OGR
- XSLT
- DXF
- JPEG Turbo

## Miscellaneous

- Chart Symbolizer
- Control Flow
- Cross Layer Filtering
- CSS Styling
- GeoSearch
- CAS
- Monitor (Core, Hibernate)
- Importer (Core, BDB Backend)
- INSPIRE
- Printing

## Coverage Formats

- GDAL
- Image Pyramid
- JPEG2K
- JDBC Image Mosaic

## Services

- CSW
- WCS 2.0 EO
- WPS
- WPS Hazelcast