GUIDE

AtScale Developer Edition Quick Start Guide



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Minimum Requirements

The following minimum requirements are suggested for running AtScale:

- 1. Chrome Browser
- 2. Docker configured with 8 Cores and 8GBs of RAM
- 3. 64GBs of available disk

Install Docker

Before you start this guide, you must have Docker Desktop installed on your local computer. Please follow these instructions:

Install Docker Desktop on Windows

Install Docker Desktop on Mac

Install Docker Desktop on Linux

Setting up Docker Desktop Resource Limits

Once Docker Desktop is installed:

1. Click on the cog wheel in the top right-hand corner of the window.



- 2. Click on **Resources** on the left sidebar to show the resource settings.
 - a. Increase the CPU limit to at least 6 cores, up to 8 cores for improved performance.
 - b. Increase the memory limit to at least 8GB, up to 16GB for improved performance.
 - c. Increase the virtual disk limit to 128GB and up to 256GB.

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Install AtScale Server

- 1. Download the file sent to your email.
 - a. It should be: devops-community-stack-develop.zip
- 2. Unzip the file.
- 3. Open a Terminal.
- 4. Navigate to the folder you've just unzipped and into compose.
 - a. "cd Downloads/devops-community-stack-develop/compose/"
- 5. Now, run the following command: docker compose up -d

C:\Users\ user \Desktop\Docker\Fresh Community\devops-community-stack\compose>docker compose up -d

- 6. Wait for the containers to come up successfully.
 - a. **Note:** Even though the containers are successfully downloaded and started, all the AtScale services may take some time to become available. After logging into AtScale Design Center and applying your license key, check the Postgres tutorial database's status by clicking



on the "Data Warehouse" menu in "Settings" and make sure that the Pool Status and Connection Status show "Up" as illustrated below:

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7. Point your browser to <u>http://localhost</u>

What is AtScale Design Center?

AtScale Design Center is a semantic modeling tool that helps business analysts and analytics engineers build semantic models. AtScale Semantic Models are based on the Semantic Modeling Language (SML) syntax. Please see the <u>Semantic Modeling Guide</u> for more information.

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Sign In

1. To start, log into the <u>Design Center</u>.

- a. Use the username **admin.**
- b. Use the password **admin.**
- 2. For security reasons, AtScale will ask you to update your admin password after you first login.
- 3. Next, input your AtScale license and hit **Submit**.
 - a. **Note:** Your unique license key and the download link were emailed directly to you from <u>community@atscale.com</u>.

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Give AtScale some time to finalize the setup.
 a. Note: It should be about 3 minutes.

Quick Start: Internet Sales Tutorial

1. Navigate to Workspace → Repo Browser → Models → Internet Sales → Models → Internet Sales.yml.

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Deploy AtScale Tutorial Model

- To explore and query the tutorial models in the AtScale Design Center, deploy your catalog.
- Click the **Repo Browser** icon in the Activity bar (left side) and press the **Deploy** button.



Query AtScale Tutorial Model Using a BI Tool

Click on the Deployed Catalogs icon in the Activity bar (left side) and click on your deployed catalog. Instructions for connecting your BI tools will appear on the right side.

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Special Note When Connecting Tools From Other Machines/VMs

Since the Developer Edition is installed by default as "localhost", if you wish to connect to AtScale from locations other than your host machine, you must replace "localhost" in the AtScale connection strings with a real IP address. In Windows, you can find your IP address by running the "ipconfig" command in the terminal or by running the "ifconfig" command in a Linux/Mac terminal.

Connect Tableau

Before you start:

- 1. Download the Java 8 JDBC driver from <u>https://jdbc.postgresql.org/download/</u>
- 2. Copy the .jar file to the following folder (you may have to create the folder manually).
- 3. Download and double-click the TDS file.

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- 4. Enter the user credentials.
 - a. Use the username **admin.**
 - b. Enter your password:
 - i. Use the default password **admin** or the one you changed to upon the first login in the Design Center.

Connect Power BI

1. Under the Design Center user profile, click **Generate XMLA token**.

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- 2. Copy the URL from MDX + Token.
- 3. In PBI, go to **Get Data** \rightarrow **Analysis Services**.

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4. Paste the URL you obtained in the previous step and click **OK**.

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Connect Excel

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- 2. Copy the MDX connection string from the connection page in the Design Center.
- 3. In Excel, go to Data \rightarrow Get Data \rightarrow From Database \rightarrow From Analysis Services.

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Create a Private Repository

Set up a Git Repository for AtScale's Semantic Models Library

1. In Git, click on **New Repository**.

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Single sign-on to	ee results in the AtScaleInc organization.	
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2. Add name and description and check the **Add a Readme file** checkbox.

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	Description (optional)	
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	A license tells others what they can and can't do with your code. <u>Learn more about licenses.</u>	
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	Create repository	

3. Copy the HTTPS URL.

Add Your Own Repository to AtScale

1. Go to AtScale Settings: In the AtScale Design Center, click on the **Settings** dropdown by clicking on the AtScale logo icon (upper left).

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2. In the Git Repositories section, click **Add**.

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- 3. Click **Save** and the new repo will appear in the dropdown menu in the repo browser.
- 4. Login to your Git Account.
- 5. Under your User Profile, click→ **Settings**.



6. Click Developer Settings.

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🖺 Pages	3 Connect your ORCID ID
Saved replies	Social accounts
Security	Link to social profile
Code security and analysis	Ø Link to social profile
Integrations	2 Link to social profile
88 Applications	Company
Scheduled reminders	
Archives	You can @mention your company's GitHub organization to link it.
図 Security log	
🖾 Sponsorship log	Location
C Developer settings	
	Display current local time
	Other users will see the time difference from their local time.

7. Click Personal Access Token → Token Classic.

1	88 GitHub Apps		GitHub Apps	New GitHub App		
	A OAuth Apps		Want to build something that integrates with and extends GitHub? Register a new GitHub App to get sta	arted developing on		
_	Fine-grained tokens	Beta	the GitHub API. You can also read more about building GitHub Apps in our developer documentation.			
_	Tokens (classic)					
		() © 201	14 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage.cookies Do not-share my personal infor	mation		

8. Click Generate. Give it a name and check the repo rights.

O Personal Access Tokens (Classic) × +			- c
← → C 🛱 github.com/settings/tokens			다 ☆ D D
E O Settings / Developer Settings		Q Type [] to sea	rch >_ + • () [ħ] (Δ)
Some of the scopes you've selected are included in other scopes. Only the minimum set of necessa	y scopes has been saved.		
88 GitHub Apps	Personal access tokens (classic)	ate new token • Revoke all	
Personal access tokens	Tokens you have generated that can be used to access the GitHub APL		
Fine-grained tokens (Beta) Tokens (classic)	Make sure to copy your personal access token now. You won't be able to see it again!		
	· (Configure SSO Delete	
	New Docker — readpackages Never used ▲ This token has no expiration date.	Configure SSO - Delete	
	Partner connect — repo Last used within the last week ▲ This token has no expiration date.	Configure SSO	
	Docker — adminventerprise, adminuggg_key, adminvorg, adminvorg_hook, Last used within the last week	Configure SSO 👻 Delete	
	admin:public_key, admin:repo_hoak, admin:ssh_signing_key, audit_log_codespace, copilot, deletepackages, deletr_repo_gist, notifications, project, repo, user, workflow, writediscussion, writepackages		
	ZLS This token has no expiration date. SML — administereterrorise administer administer administer hook. Last used within the last 2 weeks	Configure SSO - Delete	
	adminpublic, key, adminsrepo, hook, adminssh, signing, key, audit log, codespace, copilot, deletespackages,		
	aerete_repo, project, repo, user, wontpow, writevaiscussion, writevaactuges This token has no expiration date.		
	Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a pass used to authenticate to the API over Basic Authentication.	sword for Git over HTTPS, or can be	
O • 20	24 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my per	rsonal information	

- 9. At this stage, copy the token and save it somewhere else. You will need to use this token in the AtScale Design Center.
 - a. **Note:** This is the last time GitHub will show you the token. Save the token somewhere safe that you can easily access. If you forget or lose your token, go back to step 5 and repeat. There is no way to recover a token.
- 10. Enter your Git Credentials into the AtScale Design Center.
 - a. Click the Profile Icon in the upper right-hand corner of AtScale Design



b. Fill in the Git Details. The fields Username, User Display Name, and Email are all MANDATORY, but you can put whatever you want in them. They are not validated. c. Put the token from GitHub into the Token Field.



11. Upon creating your first model the atscale.yml will be generated automatically by the system.

▲ ~	Version C2024.1.0	© README.md × TEXT EDITOR	AtScale Admin User
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