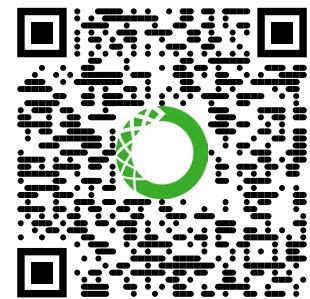**ANACONDA.** | ❄ **snowflake**®

Snowpark for Python
Anaconda Python Package Repository and Conda Package Manager Now Available in Snowflake Data Cloud

Build scalable and secure, enterprise-grade data pipelines and machine learning workflows right where your data lives with seamless access to Python's rich ecosystem of open-source software.

Snowflake and Anaconda have partnered to extend data programmability inside Snowflake beyond SQL—providing the growing Python community of data scientists, data engineers and developers with access to a curated set of Python 3.8 packages—built and published by Anaconda to ensure software supply chain security. This native integration puts the power of Anaconda in the hands of Data Cloud users who already benefit from the Snowflake engine's elasticity and performance:

- Run secure Python-based workflows without the need to copy or move data.

- Access the most popular open-source Python packages such as numpy, scikit-learn, SciPy, pandas, tensorflow and more in Snowflake without any manual installs.

- Accelerate Python-based workflows running inside Snowflake's fast, secure processing engine with Anaconda's seamless dependency management and securely-built packages.

- Build production data pipelines and data science workflows with Anaconda-curated Python libraries that run in a highly-secured sandbox inside Snowflake.

To accelerate the path from development to production, the same set of libraries and versions pre-installed in Snowflake are also made available on a Snowflake channel hosted on the Anaconda repository. When developing locally, simply point your local conda installation to the Snowflake channel to ensure you're using the same packages and versions available on the server side.
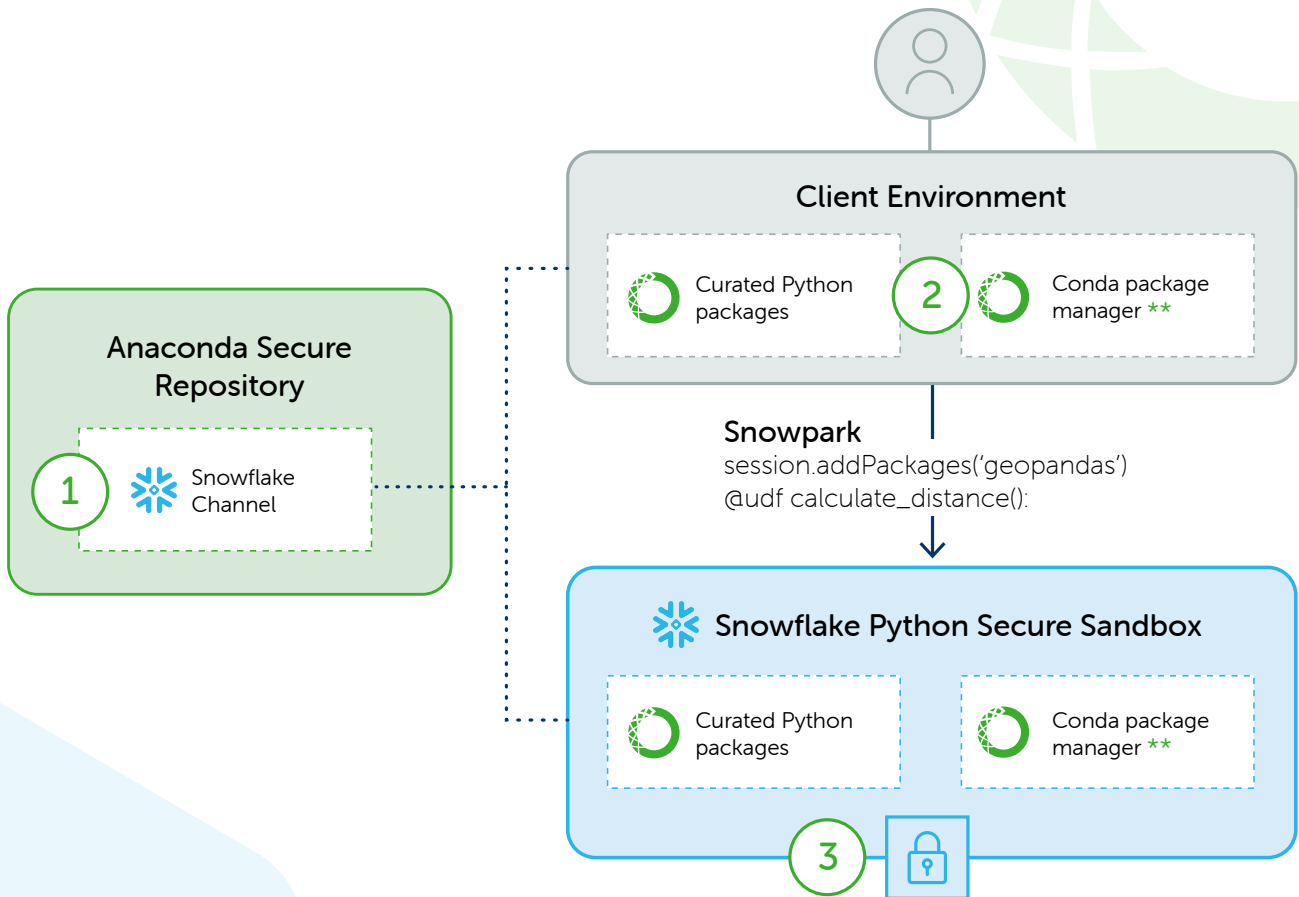

Watch a demo webinar:
Snowpark for Python Webinar: Using Anaconda in Snowflake

Get the Snowflake Developer Guide for Python.

Snowflake + Anaconda

Client Environment

Curated Python packages

(2) **Conda package manager** **

Anaconda Secure Repository

(1) ❄ Snowflake Channel

Snowpark
session.addPackages('geopandas')
@udf calculate_distance():

❄ Snowflake Python Secure Sandbox

Curated Python packages

Conda package manager **

(3) 🔒

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(1) **Easy Access**
Curated packages pre-installed in Snowflake also available for local development

(2) **No Dependency Hell**
Conda package manager integrated in Snowflake secure sandbox.

** Includes all packages from Anaconda's premium commercial grade repository.

(3) **Scalable and Secure**
Process with secure sandbox integrated into Snowflake processing engine

All of this with no additional charges beyond warehouse usage

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With more than 30 million users, Anaconda is the world's most popular data science platform and the foundation of modern machine learning. We pioneered the use of Python for data science, champion its vibrant community, and continue to steward open-source projects that make tomorrow's innovations possible. Our enterprise-grade solutions enable corporate, research, and academic institutions around the world to harness the power of open-source for competitive advantage, groundbreaking research, and a better world.

Visit anaconda.com to learn more.

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