Packages included in Anaconda 2019.07 for 32-bit Windows with Python 3.6

Packages included in Anaconda 2019.07 for 64-bit Windows with Python 3.6

Packages included in Anaconda 2019.07 for 64-bit Linux with Python 3.7

Packages included in Anaconda 2019.07 for 64-bit Linux on IBM Power CPUs with Python 3.7

Packages included in Anaconda 2019.07 for macOS with Python 3.7

Packages included in Anaconda 2019.07 for 32-bit Windows with Python 3.7

Packages included in Anaconda 2019.07 for 64-bit Windows with Python 3.7

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The following packages are included in the repository accessible through Anaconda® Individual Edition that relate to cryptography:

- `openssl` The OpenSSL Project is a collaborative effort to develop a robust, commercial-grade, full-featured, and Open Source toolkit implementing the Transport Layer Security (TLS) and Secure Sockets Layer (SSL) protocols as well as a full-strength general purpose cryptography library.

- `pycrypto` A collection of both secure hash functions (such as SHA256 and RIPEMD160), and various encryption algorithms (AES, DES, RSA, ElGamal, etc.).

- `pyopenssl` A thin Python wrapper around (a subset of) the OpenSSL library.

- `kerberos` (krb5, non-Windows platforms) A network authentication protocol designed to provide strong authentication for client/server applications by using secret-key cryptography.

- `cryptography` A Python library which exposes cryptographic recipes and primitives.

- `pycryptodome` A fork of PyCrypto. It is a self-contained Python package of low-level cryptographic primitives. (https://pycryptodome.readthedocs.io/en/latest/src/introduction.html)

- `pycryptodomex` A stand-alone version of pycryptodome.

- `libsodium` A software library for encryption, decryption, signatures, password hashing and more.

- `pynacl` A Python binding to the Networking and Cryptography library, a crypto library with the stated goal of improving usability, security and speed.

4.3 Anaconda Cloud

What is Anaconda Cloud?

Anaconda Cloud is a package management service by Anaconda. Cloud makes it easy to find, access, store and share public notebooks, environments, and conda and PyPI packages. Cloud also makes it easy to stay current with updates made to the packages and environments you are using. Cloud hosts hundreds of useful Python packages, notebooks, projects and environments for a wide variety of applications. You do not need to log in, or even to have a Cloud account, to search for public packages, download and install them.

You can build new conda packages using conda-build, then upload the packages to Cloud to quickly share with others or access yourself from anywhere. The Anaconda Cloud command line interface (CLI), anaconda-client, allows you to manage your account - including authentication, tokens, upload, download, remove and search.

Connect to and manage your Anaconda Cloud account. Upload packages you have created. Generate access tokens to allow access to private packages.

For developers, Cloud is designed to make software development, release and maintenance easy by providing broad package management support. Cloud allows for free public package hosting, as well as package channels, providing a flexible and scalable service for groups and organizations of all sizes.

Hosting of freely available packages always remains free for individuals and organizations hosting up to 3 GB of packages.

To use Cloud, you should first:

- Download Anaconda. The Anaconda installer

includes conda, conda-build and anaconda-client.

- Become familiar with using conda. A good place to start is the conda cheat sheet and the conda test drive.

4.3.1 User guide

Anaconda Cloud is a package management service that makes it easy to find, access, store and share public notebooks, environments, and conda and PyPI packages. Cloud also makes it easy to stay current with updates made to the packages and environments you are using.

To begin using Cloud, read *Getting started*, then the remaining sections of the user guide.

Getting started

- *Installing Anaconda Client*
- *Finding, downloading and installing packages*
- *Building and uploading packages*
- *Sharing notebooks*
- *Sharing environments*