birdhousebuilder.recipe.conda Documentation

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CHAPTER 1

Introduction

`birdhousebuilder.recipe.conda` is a Buildout recipe to install Anaconda packages. This recipe is used by the Birdhouse project.

CHAPTER 2

Usage

The recipe requires that Anaconda is already installed. It assumes that the default Anaconda location is in your home directory `~/anaconda`. Otherwise you need to set the `ANACONDA_HOME` environment variable.

2.1 Supported options

This recipe supports the following options:

anaconda-home Buildout option with the root folder of the Anaconda installation. Default: `$HOME/anaconda`. The default location can also be set with the environment variable `ANACONDA_HOME`. Example:

```
export ANACONDA_HOME=/opt/anaconda
```

Search priority is:

1. `anaconda-home` in `buildout.cfg`
2. `$ANACONDA_HOME`
3. `$HOME/anaconda`

conda-channels Buildout option (optional) with additional channels of conda packages.

pkgs A list of packages to install separated by space.

channels A list of space separated conda channels (optional). These channels are merged with conda-channels option.

env Name of conda environment used for installation (optional). If environment is missing then all packages are installed in the birdhouse environment (`birdhouse`).

default-pkgs A list of packages to install when creating environment separated by space (optional). Default: `python`

on-update If set to false conda will not check for updates when running buildout update. Default: `false`.

2.2 Example usage

The following example `buildout.cfg` installs the conda packages lxml, nose and matplotlib:

```
[buildout]
parts = conda_pkgs

conda-channels = birdhouse

[conda_pkgs]
recipe = birdhousebuilder.recipe.conda
pkgs = lxml nose matplotlib owslib
channels = birdhouse asmeurer
env = mytest
default-pkgs = python
on-update = false
```