

Terminal

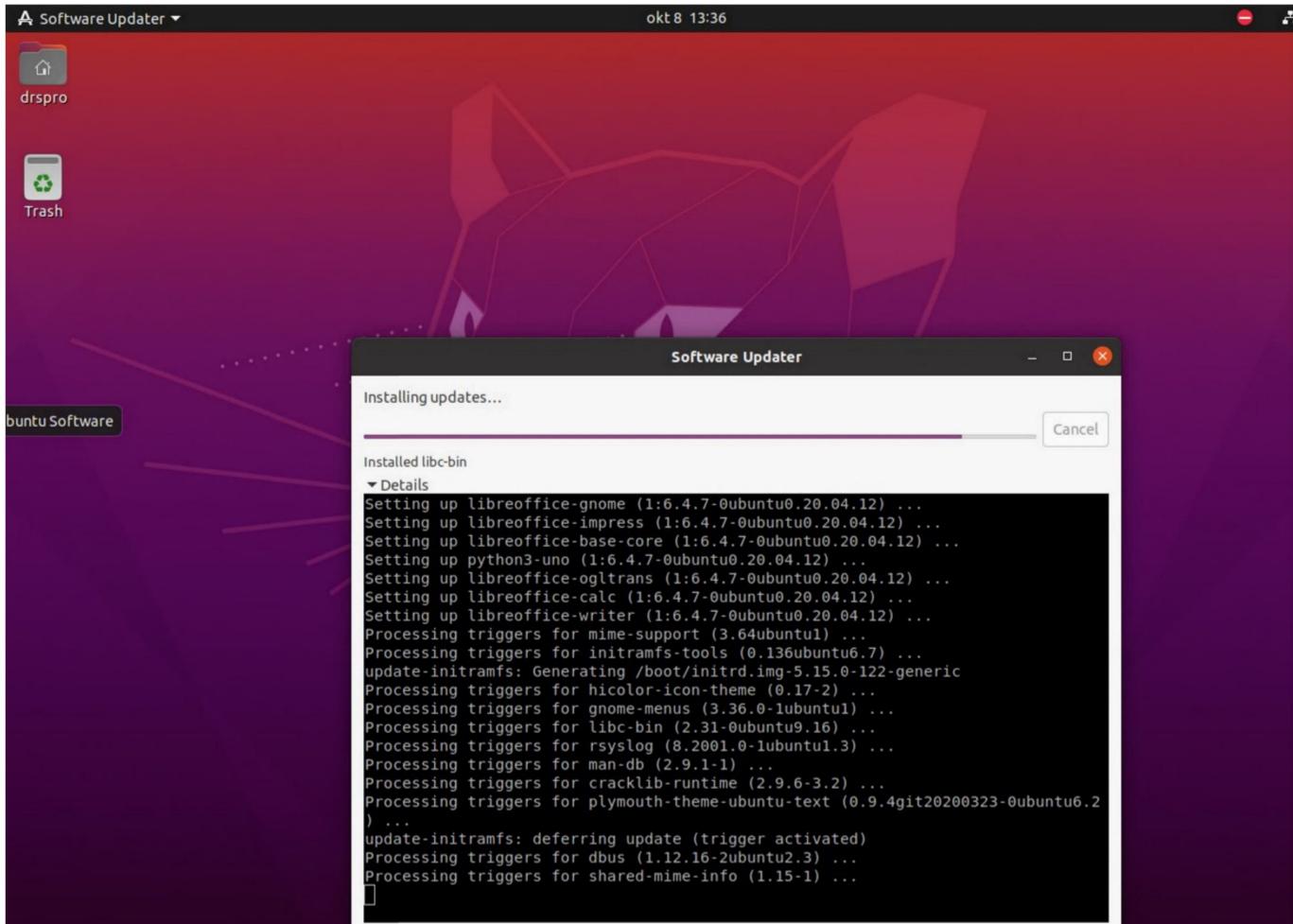
Welcome to Firefox

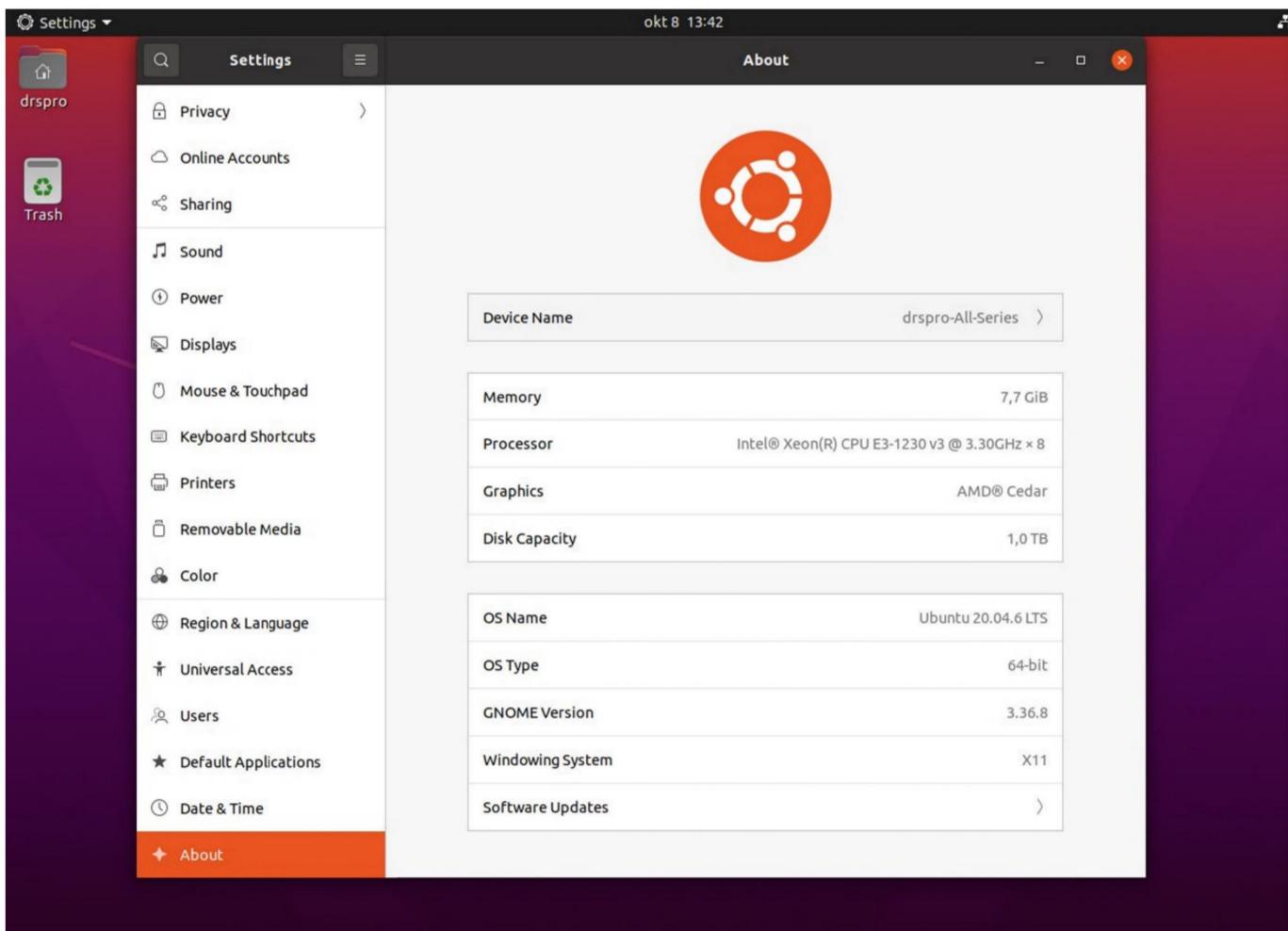
drspro@drspro-All-Series: ~/metta-wam/swipl-devel/build

```

Failed during SWI-Prolog build process. Exiting.
Failed to upgrade SWI-Prolog to version 9.3.9 or higher. Janus may not work with
out this version.
Checking if Janus Python support is already installed...
Installing Janus for SWI-Prolog...
/usr/bin/pip:6: DeprecationWarning: pkg_resources is deprecated as an API. See h
    from pkg_resources import load_entry_point
Collecting git+https://github.com/SWI-Prolog/packages-swipy.git
  Cloning https://github.com/SWI-Prolog/packages-swipy.git to /tmp/pip-req-build
  -3ai8477j
    Running command git clone -q https://github.com/SWI-Prolog/packages-swipy.git
/tmp/pip-req-build-3ai8477j
  Installing build dependencies ... done
  Getting requirements to build wheel ... error
    ERROR: Command errored out with exit status 1:
      command: /usr/bin/python3 /tmp/tmp7t6_nerw get_requires_for_build_wheel /tmp/
/tmpgk707mof
        cwd: /tmp/pip-req-build-3ai8477j
  Complete output (15 lines):
  Traceback (most recent call last):
    File "/tmp/tmp7t6_nerw", line 280, in <module>
      main()
    File "/tmp/tmp7t6_nerw", line 283, in main
      json_out['return_val'] = hook(**hook_input['kwargs'])
    File "/tmp/tmp7t6_nerw", line 114, in get_requires_for_build_wheel
      return hook(config_settings)
    File "/tmp/pip-build-env-tdlu1cw7/overlay/lib/python3.8/site-packages/setup
ools/build_meta.py", line 332, in get_requires_for_build_wheel
      self._get_build_requires(config_settings, requirements=[])
    File "/tmp/pip-build-env-tdlu1cw7/overlay/lib/python3.8/site-packages/setup
ools/build_meta.py", line 302, in _get_build_requires
      self._run_setup()
    File "/tmp/pip-build-env-tdlu1cw7/overlay/lib/python3.8/site-packages/setup
ools/build_meta.py", line 318, in _run_setup
      exec(code, locals())
    File "<string>", line 14, in <module>
      RuntimeError: Failed to find SWI-Prolog components
  -----
  ERROR: Command errored out with exit status 1: /usr/bin/python3 /tmp/tmp7t6_nerw
  get_requires_for_build_wheel /tmp/tmpgk707mof Check the logs for full command o
utput.

Note: Running this script failed to install Janus. Exiting script.
drspro@drspro-All-Series:~/metta-wam/swipl-devel/build$ 
```





The screenshot shows a Firefox browser window displaying a GitHub repository page for 'trueagi-io/metta-wam'. The URL in the address bar is <https://github.com/trueagi-io/metta-wam>. The page content includes:

README

Getting Started

Installation

Before you get started make sure `pip` and `venv` are working good.

Clone and set up MeTTaLog with the following commands:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the default prompts
```

The `INSTALL.sh` script handles the installation of essential components and updates:

- Ensures Python's `pip` is installed or installs it.
- Installs or Updates **SWI-Prolog** to ensure version 9.3.9 or higher is present.
- Installs **janus**: A Python package that interfaces with SWI-Prolog.
- Installs **pyswip**: Another Python package that provides further integration.
- Installs **hyperon**: Hyperon pip package needed for running compatibility tests.
- Installs **ansi2html**: Unit Test Visibility.
- Installs **junit2html**: Unit Test Reporting.
- Installs **mettalog-vspace**: Allows Rust MeTTa use extra functionality found in mettalog.
- Installs **mettalog-jupyter-kernel**: Work with metta files in Jupyter Notebooks.
- Installs **metakernel**: (No relation!) but allows our Jupyter Kernel to work.

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

Terminal okt 8 13:46

Welcome to Firefox GitHub - trueagi-io/metta-wam https://github.com/trueagi-io/metta-wam Import bookmarks... Aan de slag Pdf test Maroon 5 - Sugar | Ma... SIA and David Guetta ... Karnivool - Shutterspe... KARNIVOOL - GOLIAT...

Getting Started

Installation

Before you get started make sure `pip` and `venv` are working good.

Clone and set up MeTTaLog with the following command:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the directions in the script
```

The `INSTALL.sh` script handles the installation of the following packages:

- Ensures Python's `pip` is installed or installs `python3-pip`
- Installs or Updates SWI-Prolog to version 8.4.0
- Installs `janus`: A Python package that provides a simple interface to interact with Prolog engines.
- Installs `pyswip`: Another Python package for interacting with SWI-Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility Report generator.
- Installs `junit2html`: Unit Test Report generator.
- Installs `mettalog-vspace`: Allows Run-time configuration of the logic space.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter Notebook.
- Installs `metakernel`: (No relation!) but it's a cool name.

To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.

```
drspro@drspro-All-Series:~$ pip --version
Command 'pip' not found, but can be installed with:
  sudo apt install python3-pip
drspro@drspro-All-Series:~$ python3
Python 3.8.10 (default, Sep 11 2024, 16:02:53)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
drspro@drspro-All-Series:~$ sudo apt install python3-pip
```

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

Terminal okt 8 13:46

Welcome to Firefox GitHub - trueagi-io/metta-wam https://github.com/trueagi-io/metta-wam Import bookmarks... Aan de slag Pdf test Maroon 5 - Sugar | Ma... SIA and David Guetta ... Karnivool - Shutterspe... KARNIVOOL - GOLIAT...

Getting Started

Installation

Before you get started make sure `pip` and `venv` are working good.

Clone and set up MeTTaLog with the following command:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the directions in the script
```

The `INSTALL.sh` script handles the installation of the following packages:

- Ensures Python's `pip` is installed or installs `python3-pip`
- Installs or Updates SWI-Prolog to version 8.4.0
- Installs `janus`: A Python package that provides a simple interface to interact with Prolog engines.
- Installs `pyswip`: Another Python package for interacting with SWI-Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility Report generator.
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- Installs `mettalog-vspace`: Allows Run-time configuration of the logic space.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter Notebook.
- Installs `metakernel`: (No relation!) but it's a cool name.

```
drspro@drspro-All-Series:~$ python3
Python 3.8.10 (default, Sep 11 2024, 16:02:53)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>>
drspro@drspro-All-Series:~$ sudo apt install python3-pip
[sudo] password for drspro:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
binutils binutils-common binutils-x86_64-linux-gnu build-essential dpkg-dev
fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl
libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libbinutils
libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd0 libctf0 libexpat1-dev
libfakeroot libgcc-9-dev libitm1 liblsan0 libpython3-dev libpython3.8-dev
libquadmath0 libstdc++-9-dev libtsan0 libubsan1 linux-libc-dev make
manpages-dev python-pip-whl python3-dev python3-distutils python3-setuptools
python3-wheel python3.8-dev zlib1g-dev
Suggested packages:
binutils-doc debian-keyring g++-multilib g++-9-multilib gcc-9-doc
gcc-multilib autoconf libtool flex bison gcc-doc gcc-9-multilib
gcc-9-locales glibc-doc libstdc++-9-doc make-doc python-setuptools-doc
The following NEW packages will be installed:
binutils binutils-common binutils-x86_64-linux-gnu build-essential dpkg-dev
fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl
libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libbinutils
libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd0 libctf0 libexpat1-dev
libfakeroot libgcc-9-dev libitm1 liblsan0 libpython3-dev libpython3.8-dev
libquadmath0 libstdc++-9-dev libtsan0 libubsan1 linux-libc-dev make
manpages-dev python-pip-whl python3-dev python3-distutils python3-pip
python3-setuptools python3-wheel python3.8-dev zlib1g-dev
python3-wheel python3.8-dev zlib1g-dev
Need to get 44,1 MB of archives.
After this operation, 199 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

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Welcome to Firefox GitHub - trueagi-io/metta-wam https://github.com/trueagi-io/metta-wam Import bookmarks... Aan de slag Pdf test Maroon 5 - Sugar | Ma... SIA and David Guetta ... Karnivool - Shutterspe... KARNIVOOL - GOLIAT...

README

Getting Started

Installation

Before you get started make sure pip and curl are installed.

Clone and set up MeTTaLog with the following command:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the directions in the script
```

The INSTALL.sh script handles the installation of the following packages:

- Ensures Python's pip is installed or installs it if necessary.
- Installs or Updates SWI-Prolog to version 8.3.1.
- Installs janus: A Python package that provides a simple interface to interact with Prolog.
- Installs pyswip: Another Python package that provides a Python interface to SWI-Prolog.
- Installs hyperon: Hyperon pip package.
- Installs ansi2html: Unit Test Visibility tool.
- Installs junit2html: Unit Test Report generator.
- Installs mettalog-vspace: Allows Runspace to be used with Mettalog.
- Installs mettalog-jupyter-kernel: Works with Jupyter Notebook.
- Installs metakernel: (No relation!) but can be used with Jupyter Notebook.

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

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Welcome to Firefox GitHub - trueagi-io/metta-wam https://www.freecodecamp.org/news/how-to-setup-virtual-environments-in-python/ Search 11,300+ tutorials freeCodeCamp(ʌ) Forum

How to Set Up a Virtual Environment in Python

Venv

Virtualenv is a tool to set up a virtual environment. It creates a subset of it has been integrated into Python's standard library. You can install venv by running the following command in your terminal:

```
pip install virtualenv
```

To use venv in your project, navigate to the project folder in your terminal and run:

```
python>version> -m venv <virtual-env-name>
```

Like so:

```
drspro@drspro-All-Series:~$ pip install virtualenv
```

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Welcome to Firefox GitHub - trueagi-io/metta-wam How to Set Up a Virtual E

https://www.freecodecamp.org/news/how-to-setup-virtual-environments-in-python/

Search 11,300+ tutorials freeCodeCamp(4) Forum

Venv

Virtualenv is a tool to set up a subset of it has been integrated module. You can install venv in your terminal:

```
drspro@drspro-All-Series: ~
Setting up dpkg-dev (1.19.7ubuntu3.2) ...
Setting up libexpat1-dev:amd64 (2.2.9-1ubuntu0.7) ...
Setting up libpython3.8-dev:amd64 (3.8.10-0ubuntu1~20.04.12) ...
Setting up zlib1g-dev:amd64 (1:1.2.11.dfsg-2ubuntu1.5) ...
Setting up gcc-9 (9.4.0-1ubuntu1~20.04.2) ...
Setting up libpython3-dev:amd64 (3.8.2-0ubuntu2) ...
Setting up gcc (4:9.3.0-1ubuntu2) ...
Setting up g++-9 (9.4.0-1ubuntu1~20.04.2) ...
Setting up python3.8-dev (3.8.10-0ubuntu1~20.04.12) ...
Setting up g++ (4:9.3.0-1ubuntu2) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.8ubuntu1.1) ...
Setting up python3-dev (3.8.2-0ubuntu2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.16) ...
drspro@drspro-All-Series:~$ pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.26.6-py3-none-any.whl (6.0 MB)
    |██████████| 6.0 MB 4.5 MB/s
Collecting filelock<4,>=3.12.2
  Downloading filelock-3.16.1-py3-none-any.whl (16 kB)
Collecting distlib<1,>=0.3.7
  Downloading distlib-0.3.8-py2.py3-none-any.whl (468 kB)
    |██████████| 468 kB 38.2 MB/s
Collecting platformdirs<5,>=3.9.1
  Downloading platformdirs-4.3.6-py3-none-any.whl (18 kB)
Installing collected packages: filelock, distlib, platformdirs, virtualenv
  WARNING: The script virtualenv is installed in '/home/drspro/.local/bin' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed distlib-0.3.8 filelock-3.16.1 platformdirs-4.3.6 virtualenv-20.26.6
drspro@drspro-All-Series:~$
```

To use venv in your project, i to the project folder in your

```
python>version> ~ m venv <virtual-environment>
Like so:
```

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Welcome to Firefox GitHub - trueagi-io/metta-wam How to Set Up a Virtual E

https://github.com/trueagi-io/metta-wam

README

Getting Started

Installation

Before you get started make sure `pip` and

Clone and set up MeTTaLog with the following command:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the default configuration
```

The `INSTALL.sh` script handles the installation of the following dependencies:

- Ensures Python's `pip` is installed or installs it.
- Installs or Updates SWI-Prolog to ensure compatibility.
- Installs `janus`: A Python package that interacts with Prolog.
- Installs `pyswip`: Another Python package for interacting with SWI-Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility.
- Installs `junit2html`: Unit Test Reporting.
- Installs `mettalog-vspace`: Allows Rust code to be run within Prolog.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter notebooks.
- Installs `metakernel`: (No relation!) but a

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

```
drspro@drspro-All-Series: ~
Setting up gcc (4:9.3.0-1ubuntu2) ...
Setting up g++-9 (9.4.0-1ubuntu1~20.04.2) ...
Setting up python3.8-dev (3.8.10-0ubuntu1~20.04.12) ...
Setting up g++ (4:9.3.0-1ubuntu2) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.8ubuntu1.1) ...
Setting up python3-dev (3.8.2-0ubuntu2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.16) ...
drspro@drspro-All-Series:~$ pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.26.6-py3-none-any.whl (6.0 MB)
    |██████████| 6.0 MB 4.5 MB/s
Collecting filelock<4,>=3.12.2
  Downloading filelock-3.16.1-py3-none-any.whl (16 kB)
Collecting distlib<1,>=0.3.7
  Downloading distlib-0.3.8-py2.py3-none-any.whl (468 kB)
    |██████████| 468 kB 38.2 MB/s
Collecting platformdirs<5,>=3.9.1
  Downloading platformdirs-4.3.6-py3-none-any.whl (18 kB)
Installing collected packages: filelock, distlib, platformdirs, virtualenv
  WARNING: The script virtualenv is installed in '/home/drspro/.local/bin' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed distlib-0.3.8 filelock-3.16.1 platformdirs-4.3.6 virtualenv-20.26.6
drspro@drspro-All-Series:~$ git clone https://github.com/trueagi-io/metta-wam
Command 'git' not found, but can be installed with:
sudo apt install git

drspro@drspro-All-Series:~$
```

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Welcome to Firefox ▾ GitHub - trueagi-io/metta-wam ▾ How to Set Up a Virtual E +

https://github.com/trueagi-io/metta-wam

README

Getting Started

Installation

Before you get started make sure `pip` and `git` are installed.

Clone and set up MeTTaLog with the following command:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the default options
```

The `INSTALL.sh` script handles the installation of the following packages:

- Ensures Python's `pip` is installed or installs it.
- Installs or Updates SWI-Prolog to ensure compatibility.
- Installs `janus`: A Python package that interacts with Prolog.
- Installs `pyswip`: Another Python package for interacting with Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility.
- Installs `junit2html`: Unit Test Reporting.
- Installs `mettalog-vspace`: Allows Rust code to be run within the Mettalog environment.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter Notebook.
- Installs `metakernel`: (No relation!) but a useful kernel for Jupyter.

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

```
Setting up gcc (4:9.3.0-1ubuntu2) ...
Setting up g++-9 (9.4.0-1ubuntu1-20.04.2) ...
Setting up python3.8-dev (3.8.10-0ubuntu1-20.04.12) ...
Setting up g++ (4:9.3.0-1ubuntu2) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.8ubuntu1.1) ...
Setting up python3-dev (3.8.2-0ubuntu2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.16) ...
drspro@drspro-All-Series:~$ pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.26.6-py3-none-any.whl (6.0 MB)
    ━━━━━━━━━━━━━━━━ 6.0 MB 4.5 MB/s
Collecting filelock<4,>=3.12.2
  Downloading filelock-3.16.1-py3-none-any.whl (16 kB)
Collecting distlib<1,>=0.3.7
  Downloading distlib-0.3.8-py2.py3-none-any.whl (468 kB)
    ━━━━━━━━━━━━━━ 468 kB 38.2 MB/s
Collecting platformdirs<5,>=3.9.1
  Downloading platformdirs-4.3.6-py3-none-any.whl (18 kB)
Installing collected packages: filelock, distlib, platformdirs, virtualenv
  WARNING: The script virtualenv is installed in '/home/drspro/.local/bin' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed distlib-0.3.8 filelock-3.16.1 platformdirs-4.3.6 virtualenv-20.26.6
drspro@drspro-All-Series:~$ git clone https://github.com/trueagi-io/metta-wam
Command 'git' not found, but can be installed with:
  sudo apt install git
drspro@drspro-All-Series:~$ sudo apt install git
```

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Welcome to Firefox ▾ GitHub - trueagi-io/metta-wam ▾ How to Set Up a Virtual E +

https://github.com/trueagi-io/metta-wam

README

Getting Started

Installation

Before you get started make sure `pip` and `git` are installed.

Clone and set up MeTTaLog with the following command:

```
git clone https://github.com/trueagi-io/metta-wam
cd metta-wam
source ./INSTALL.sh # Follow the default options
```

The `INSTALL.sh` script handles the installation of the following packages:

- Ensures Python's `pip` is installed or installs it.
- Installs or Updates SWI-Prolog to ensure compatibility.
- Installs `janus`: A Python package that interacts with Prolog.
- Installs `pyswip`: Another Python package for interacting with Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility.
- Installs `junit2html`: Unit Test Reporting.
- Installs `mettalog-vspace`: Allows Rust code to be run within the Mettalog environment.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter Notebook.
- Installs `metakernel`: (No relation!) but a useful kernel for Jupyter.

The following additional packages will be installed:

```
git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 5.525 kB of archives.
After this operation, 38,8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nl.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.1.7029-1 [26,5 kB]
Get:2 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1:2.25.1-1ubuntu3.13 [887 kB]
Get:3 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2.25.1-1ubuntu3.13 [4.612 kB]
Fetched 5.525 kB in 0s (11,7 MB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 185751 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.13_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.13) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.13_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.13) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.13) ...
Setting up git (1:2.25.1-1ubuntu3.13) ...
Processing triggers for man-db (2.9.1-1) ...
drspro@drspro-All-Series:~$
```

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

The screenshot shows a Firefox browser window with the URL <https://github.com/trueagi-io/metta-wam>. The page displays the README file, which includes sections for 'Getting Started' and 'Installation'. The 'Installation' section contains instructions and a command-line snippet:

```
git clone https://github.com/trueagi
cd metta-wam
source ./INSTALL.sh # Follow the def...
```

Below this, a note states: "The INSTALL.sh script handles the install". A bulleted list follows:

- Ensures Python's `pip` is installed or installs it.
- Installs or Updates SWI-Prolog to ensure compatibility.
- Installs `janus`: A Python package that interacts with Prolog.
- Installs `pyswip`: Another Python package for interacting with Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility.
- Installs `junit2html`: Unit Test Reporting.
- Installs `mettalog-vspace`: Allows Rust code to interact with Prolog.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter Notebooks.
- Installs `metakernel`: (No relation!) but allows our Jupyter Kernel to work.

A note at the bottom of the README says: "Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes."

In the background, a terminal window titled "drsp@drsp-All-Series: ~" is running the command `git clone https://github.com/trueagi-io/metta-wam`. The terminal output shows the process of cloning the repository and installing packages via apt-get:

```
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
Need to get 5.525 kB of archives.
After this operation, 38,8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nl.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.1
7029-1 [26,5 kB]
Get:2 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1
:2.25.1-1ubuntu3.13 [887 kB]
Get:3 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2
.25.1-1ubuntu3.13 [4.612 kB]
Fetched 5.525 kB in 0s (11,7 MB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 185751 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.13_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.13) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.13_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.13) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.13) ...
Setting up git (1:2.25.1-1ubuntu3.13) ...
Processing triggers for man-db (2.9.1-1) ...
drsp@drsp-All-Series:~$ git clone https://github.com/trueagi-io/metta-wam
Cloning into 'metta-wam'...
remote: Enumerating objects: 96362, done.
remote: Counting objects: 100% (82514/82514), done.
remote: Compressing objects: 6% (133/1974)
```

The screenshot shows a Firefox browser window with the URL <https://github.com/trueagi-io/metta-wam>. The page displays the README file, which includes sections for 'Getting Started' and 'Installation'. The 'Installation' section contains instructions and a command-line snippet:

```
git clone https://github.com/trueagi
cd metta-wam
source ./INSTALL.sh # Follow the def...
```

Below this, a note states: "The INSTALL.sh script handles the install". A bulleted list follows:

- Ensures Python's `pip` is installed or installs it.
- Installs or Updates SWI-Prolog to ensure compatibility.
- Installs `janus`: A Python package that interacts with Prolog.
- Installs `pyswip`: Another Python package for interacting with Prolog.
- Installs `hyperon`: Hyperon pip package.
- Installs `ansi2html`: Unit Test Visibility.
- Installs `junit2html`: Unit Test Reporting.
- Installs `mettalog-vspace`: Allows Rust code to interact with Prolog.
- Installs `mettalog-jupyter-kernel`: Works with Jupyter Notebooks.
- Installs `metakernel`: (No relation!) but allows our Jupyter Kernel to work.

A note at the bottom of the README says: "Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes."

In the background, a terminal window titled "drsp@drsp-All-Series: ~" is running the command `git clone https://github.com/trueagi-io/metta-wam`. The terminal output shows the process of cloning the repository and installing packages via apt-get:

```
Need to get 5.525 kB of archives.
After this operation, 38,8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nl.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.1
7029-1 [26,5 kB]
Get:2 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1
:2.25.1-1ubuntu3.13 [887 kB]
Get:3 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2
.25.1-1ubuntu3.13 [4.612 kB]
Fetched 5.525 kB in 0s (11,7 MB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 185751 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.13_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.13) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.13_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.13) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.13) ...
Setting up git (1:2.25.1-1ubuntu3.13) ...
Processing triggers for man-db (2.9.1-1) ...
drsp@drsp-All-Series:~$ git clone https://github.com/trueagi-io/metta-wam
Cloning into 'metta-wam'...
remote: Enumerating objects: 96362, done.
remote: Counting objects: 100% (82514/82514), done.
remote: Compressing objects: 100% (1974/1974), done.
remote: Total 96362 (delta 81794), reused 81035 (delta 80497), pack-reused 13848
Receiving objects: 100% (96362/96362), 385.93 MiB | 8.06 MiB/s, done.
Resolving deltas: 100% (90795/90795), done.
Updating files: 100% (2996/2996), done.
drsp@drsp-All-Series:~$
```

```
drspro@drspro-All-Series: ~/metta-wam
After this operation, 38,8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nl.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.1
7029-1 [26,5 kB]
Get:2 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1
:2.25.1-1ubuntu3.13 [887 kB]
Get:3 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2
.25.1-1ubuntu3.13 [4.612 kB]
Fetched 5.525 kB in 0s (11,7 MB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 185751 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.13_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.13) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.13_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.13) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.13) ...
Setting up git (1:2.25.1-1ubuntu3.13) ...
Processing triggers for man-db (2.9.1-1) ...
drspro@drspro-All-Series:~$ git clone https://github.com/trueagi-io/metta-wam
Cloning into 'metta-wam'...
remote: Enumerating objects: 96362, done.
remote: Counting objects: 100% (82514/82514), done.
remote: Compressing objects: 100% (1974/1974), done.
remote: Total 96362 (delta 81794), reused 81035 (delta 80497), pack-reused 13848
(dr from 1)
Receiving objects: 100% (96362/96362), 385.93 MiB | 8.06 MiB/s, done.
Resolving deltas: 100% (90795/90795), done.
Updating files: 100% (2996/2996), done.
drspro@drspro-All-Series:~$ cd metta-wam
drspro@drspro-All-Series:~/metta-wam$
```

The INSTALL.sh script handles:

- Ensures Python's pip
- Installs or Updates Software
- Installs janus: A Python library
- Installs pyswip: Another Python library
- Installs hyperon: Hyperon is mentioned but not explicitly listed as installed.
- Installs ansi2html: Used for generating HTML documentation
- Installs junit2html: Used for generating HTML reports from JUnit XML files
- Installs mettalog-vsps: Mettalog-logger for VS Code
- Installs mettalog-jupyter-kernel: Work with metta files in Jupyter Notebooks
- Installs metakernel: (No relation!) but allows our Jupyter Kernel to work.

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

```
drspro@drspro-All-Series: ~/metta-wam
(Reading database ... 185751 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.13_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.13) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.13_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.13) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.13) ...
Setting up git (1:2.25.1-1ubuntu3.13) ...
Processing triggers for man-db (2.9.1-1) ...
drspro@drspro-All-Series:~$ git clone https://github.com/trueagi-io/metta-wam
Cloning into 'metta-wam'...
remote: Enumerating objects: 96362, done.
remote: Counting objects: 100% (82514/82514), done.
remote: Compressing objects: 100% (1974/1974), done.
remote: Total 96362 (delta 81794), reused 81035 (delta 80497), pack-reused 13848
(dr from 1)
Receiving objects: 100% (96362/96362), 385.93 MiB | 8.06 MiB/s, done.
Resolving deltas: 100% (90795/90795), done.
Updating files: 100% (2996/2996), done.
drspro@drspro-All-Series:~$ cd metta-wam
drspro@drspro-All-Series:~/metta-wam$
```

The INSTALL.sh script handles:

- Ensures Python's pip
- Installs or Updates Software
- Installs janus: A Python library
- Installs pyswip: Another Python library
- Installs hyperon: Hyperon is mentioned but not explicitly listed as installed.
- Installs ansi2html: Used for generating HTML documentation
- Installs junit2html: Used for generating HTML reports from JUnit XML files
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- Installs metakernel: (No relation!) but allows our Jupyter Kernel to work.

Note: Running this script modifies software configurations and installs packages. Ensure you're prepared for these changes.

Terminal drspro@drspro-All-Series: ~/metta-wam okt 8 13:56

```

drspro@drspro-All-Series:~/metta-wam$ sudo apt install cmake
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  cmake-data libjsoncpp1 librhash0
Suggested packages:
  cmake-doc ninja-build
The following NEW packages will be installed:
  cmake cmake-data libjsoncpp1 librhash0
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 5.470 kB of archives.
After this operation, 28,3 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 cmake-data al
l 3.16.3-1ubuntu1.20.04.1 [1.613 kB]
Get:2 http://nl.archive.ubuntu.com/ubuntu focal/main amd64 libjsoncpp1 amd64 1.7
.4-3.1ubuntu2 [75,6 kB]
Get:3 http://nl.archive.ubuntu.com/ubuntu focal/main amd64 librhash0 amd64 1.3.9
-1 [113 kB]
Get:4 http://nl.archive.ubuntu.com/ubuntu focal-updates/main amd64 cmake amd64 3
.16.3-1ubuntu1.20.04.1 [3.668 kB]
Fetched 5.470 kB in 1s (10,1 MB/s)
Selecting previously unselected package cmake-data.
(Reading database ... 186686 files and directories currently installed.)
Preparing to unpack .../cmake-data_3.16.3-1ubuntu1.20.04.1_all.deb ...
Unpacking cmake-data (3.16.3-1ubuntu1.20.04.1) ...
Selecting previously unselected package libjsoncpp1:amd64.
Preparing to unpack .../libjsoncpp1_1.7.4-3.1ubuntu2_amd64.deb ...
Unpacking libjsoncpp1:amd64 (1.7.4-3.1ubuntu2) ...
Selecting previously unselected package librhash0:amd64.
Preparing to unpack .../librhash0_1.3.9-1_amd64.deb ...
Unpacking librhash0:amd64 (1.3.9-1) ...
Selecting previously unselected package cmake.
Preparing to unpack .../cmake_3.16.3-1ubuntu1.20.04.1_amd64.deb ...
Unpacking cmake (3.16.3-1ubuntu1.20.04.1) ...
Setting up librhash0:amd64 (1.3.9-1) ...
Setting up cmake-data (3.16.3-1ubuntu1.20.04.1) ...
Setting up libjsoncpp1:amd64 (1.7.4-3.1ubuntu2) ...
Setting up cmake (3.16.3-1ubuntu1.20.04.1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.16) ...

```

Note: Running this script may change your system's configuration.

Terminal drspro@drspro-All-Series: ~/metta-wam/swipl-devel/build okt 8 14:00

```

[ 76%] Generating lib/btrees.tex
[ 77%] Generating lib/statistics.tex
[ 77%] Generating lib/heaps.tex
[ 77%] Generating lib/fastrw.tex
[ 77%] Generating lib/gensym.tex
[ 77%] Generating lib/wwwbrowser.tex
[ 77%] Generating lib/macros.tex
[ 77%] Generating lib/prologversions.tex
[ 77%] Generating lib/prologcoverage.tex
[ 77%] Generating lib/threadpool.tex
[ 77%] Generating lib/thread.tex
[ 77%] Generating lib/rwlocks.tex
[ 77%] Generating lib/shlib.tex
[ 77%] Generating lib/pureinput.tex
[ 77%] Generating lib/explain.tex
make[2]: *** No rule to make target '../man/archive', needed by 'man/lib/prolog
ack.tex'. Stop.
make[1]: *** [CMakeFiles/Makefile2:2942: man/CMakeFiles/core.doc.html.dir/all] E
rror 2
make: *** [Makefile:163: all] Error 2
Failed during SWI-Prolog build process. Exiting.
Failed to upgrade SWI-Prolog to version 9.3.9 or higher. Janus may not work with
out this version.
Checking if Janus Python support is already installed...
Installing Janus for SWI-Prolog...
/usr/bin/pip:6: DeprecationWarning: pkg_resources is deprecated as an API. See h
ttps://setuptools.pypa.io/en/latest/pkg_resources.html
  from pkg_resources import load_entry_point
Collecting git+https://github.com/SWI-Prolog/packages-swipy.git
  Cloning https://github.com/SWI-Prolog/packages-swipy.git to /tmp/pip-req-build
-3ai8477j
  Running command git clone -q https://github.com/SWI-Prolog/packages-swipy.git
/tmp/pip-req-build-3ai8477j
  Installing build dependencies ... done
  Getting requirements to build wheel ... error
  ERROR: Command errored out with exit status 1:
    command: /usr/bin/python3 /tmp/tmp7t6_nerw/get_requires_for_build_wheel /tmp/
tmpgk707m6f
        cwd: /tmp/pip-req-build-3ai8477j
  Complete output (15 lines):
  Traceback (most recent call last):
    File "/tmp/tmp7t6_nerw", line 280, in <module>
      main()
    File "/tmp/tmp7t6_nerw", line 263, in main

```

Note: Running this script may change your system's configuration.

Terminal

Welcome to Firefox

drspro@drspro-All-Series: ~/metta-wam/swipl-devel/build

```
Failed during SWI-Prolog build process. Exiting.  
Failed to upgrade SWI-Prolog to version 9.3.9 or higher. Janus may not work with  
out this version.  
Checking if Janus Python support is already installed...  
Installing Janus for SWI-Prolog...  
/usr/bin/pip:6: DeprecationWarning: pkg_resources is deprecated as an API. See h  
from pkg_resources import load_entry_point  
Collecting git+https://github.com/SWI-Prolog/packages-swipy.git  
  Cloning https://github.com/SWI-Prolog/packages-swipy.git to /tmp/pip-req-build  
-3ai8477j  
    Running command git clone -q https://github.com/SWI-Prolog/packages-swipy.git  
/tmp/pip-req-build-3ai8477j  
    Installing build dependencies ... done  
    Getting requirements to build wheel ... error  
      ERROR: Command errored out with exit status 1:  
        command: /usr/bin/python3 /tmp/tmp7t6_nerw get_requires_for_build_wheel /tmp/  
tmpgk707mof  
          cwd: /tmp/pip-req-build-3ai8477j  
      Complete output (15 lines):  
      Traceback (most recent call last):  
        File "/tmp/tmp7t6_nerw", line 280, in <module>  
          main()  
        File "/tmp/tmp7t6_nerw", line 283, in main  
          json_out['return_val'] = hook(**hook_input['kwargs'])  
        File "/tmp/tmp7t6_nerw", line 114, in get_requires_for_build_wheel  
          return hook(config_settings)  
        File "/tmp/pip-build-env-tdiu1cw7/overlay/lib/python3.8/site-packages/setup  
ools/build_meta.py", line 332, in get_requires_for_build_wheel  
          return self._get_build_requires(config_settings, requirements=[])  
        File "/tmp/pip-build-env-tdiu1cw7/overlay/lib/python3.8/site-packages/setup  
ools/build_meta.py", line 302, in _get_build_requires  
          self.run_setup()  
        File "/tmp/pip-build-env-tdiu1cw7/overlay/lib/python3.8/site-packages/setup  
ools/build_meta.py", line 318, in run_setup  
          exec(code, locals())  
        File "<string>", line 14, in <module>  
      RuntimeError: Failed to find SWI-Prolog components  
      -----  
      ERROR: Command errored out with exit status 1: /usr/bin/python3 /tmp/tmp7t6_nerw  
get_requires_for_build_wheel /tmp/tmpgk707mof Check the logs for full command o  
utput.  
Note: Running this script failed to install Janus. Exiting script.  
drspro@drspro-All-Series:~/metta-wam/swipl-devel/build$
```

