

*****Building the package

```
c:\Users\user1\Desktop\ros_ws\src>colcon build
```

```
[2.980s] root DEBUG Using proactor: locpProactor
```

```
Starting >>> urdf_tutorial
```

```
[3.014s] colcon.colcon_ros.prefix_path.catkin WARNING The path  
'C:\opt\ros\foxy\x64\tools\vcpkg\installed\x64-windows' in the environment variable  
CMAKE_PREFIX_PATH doesn't exist
```

```
Finished <<< urdf_tutorial [11.7s]
```

```
Summary: 1 package finished [12.4s]
```

*****Running the local setup

```
c:\Users\user1\Desktop\ros_ws\src>cd install
```

```
c:\Users\user1\Desktop\ros_ws\src\install>setup.bat
```

```
"[rti_connext_dds_cmake_module][warning] RTI Connext DDS environment script not found  
(\resource\scripts\rtisetenv_x64Win64VS2017.bat). RTI Connext DDS will not be available at runtime,  
unless you already configured PATH manually."
```

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*****Launching the program

```
c:\Users\user1\Desktop\ros_ws\src>ros2 launch urdf_tutorial display.launch.py
```

```
[INFO] [launch]: All log files can be found below C:\Users\user1\.ros\log\2023-08-11-11-31-00-594852-  
DESKTOP-IEVTQD3-15448
```

```
[INFO] [launch]: Default logging verbosity is set to INFO
```

```
Task exception was never retrieved
```

future: <Task finished name='Task-2' coro=<LaunchService._process_one_event() done, defined at c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_service.py:226>
exception=InvalidLaunchFileError('py')>

Traceback (most recent call last):

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_description_sources\any_launch_file_utilities.py", line 53, in get_launch_description_from_any_launch_file

```
    return loader(launch_file_path)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_description_sources\python_launch_file_utilities.py", line 62, in get_launch_description_from_python_launch_file

```
    launch_file_module = load_python_launch_file_as_module(python_launch_file_path)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_description_sources\python_launch_file_utilities.py", line 37, in load_python_launch_file_as_module

```
    loader.exec_module(mod)
```

File "<frozen importlib._bootstrap_external>", line 783, in exec_module

File "<frozen importlib._bootstrap>", line 219, in _call_with_frames_removed

File

"c:\Users\user1\Desktop\ros_ws\src\install\urdf_tutorial\share\urdf_tutorial\launch\display.launch.py", line 9, in <module>

```
    from launch_ros.parameter_descriptions import ParameterValue
```

ModuleNotFoundError: No module named 'launch_ros.parameter_descriptions'

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_service.py", line 228, in _process_one_event
 await self.__process_event(next_event)

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_service.py", line 248, in __process_event
 visit_all_entities_and_collect_futures(entity, self.__context))

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\utilities\visit_all_entities_and_collect_futures_impl.py", line 45, in visit_all_entities_and_collect_futures

```
futures_to_return += visit_all_entities_and_collect_futures(sub_entity, context)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\utilities\visit_all_entities_and_collect_futures_impl.py", line 45, in visit_all_entities_and_collect_futures

```
futures_to_return += visit_all_entities_and_collect_futures(sub_entity, context)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\utilities\visit_all_entities_and_collect_futures_impl.py", line 38, in visit_all_entities_and_collect_futures

```
sub_entities = entity.visit(context)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\action.py", line 108, in visit

```
return self.execute(context)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\actions\include_launch_description.py", line 125, in execute

```
launch_description = self.__launch_description_source.get_launch_description(context)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_description_source.py", line 84, in get_launch_description

```
self._get_launch_description(self.__expanded_location)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_description_sources\any_launch_description_source.py", line 53, in _get_launch_description

```
return get_launch_description_from_any_launch_file(location)
```

File "c:\opt\ros\foxy\x64\lib\site-packages\launch\launch_description_sources\any_launch_file_utilities.py", line 56, in get_launch_description_from_any_launch_file

```
raise InvalidLaunchFileError(extension, likely_errors=exceptions)
```

launch.invalid_launch_file_error.InvalidLaunchFileError: Caught exception when trying to load file of format [py]: No module named 'launch_ros.parameter_descriptions'