

CHYPER COMMANDS

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After having properly configured the application and making it ready for use, execute the following Chyper commands in the Neo4J Browser in order to achieve the SHACL validation:

1. Import local data into the graph database

```
CALL n10s.rdf.import.fetch("file:/// <<DATASET PATH>> ", " <<DATASET FORMAT>> ");
```

2. Load the model constraints (shapes)

```
CALL n10s.validation.shacl.import.fetch("file:/// <<SHAPES PATH>> ", "Turtle");
```

3. Run the validation on the whole graph

```
CALL n10s.validation.shacl.validate()
```

Useful commands:

4. List the currently active constraints/shapes

```
CALL n10s.validation.shacl.listShapes()
```

5. It is possible to import data or files from remote (online)

```
CALL n10s.validation.shacl.import.fetch("https:// <<LINK TO DATA>> ", " <<FILE FORMAT>> ");
```

6. Model constraints can be loaded using an inline option

```
CALL n10s.validation.shacl.import.inline(' <<SHAPE DEFINITION>> ', 'Turtle')
```

7. Define custom prefixes for namespaces

```
CALL n10s.nsprefixes.add(" <<PREFIX NAME>> ", " <<NAMESPACE LINK>> ");
```