

## Knowledge base

The knowledge base provides a namespace-based storage mechanism to store behavior models and is central in providing an extensible framework. Currently, the knowledge base is in its infancy and will mature in due course of time.

Each model in the knowledge base is identified using its **NAMESPACE** and **NAME** attributes. The namespace allows categorization of models into domain-specific areas while allowing composition of models across domains. Currently, the models are organized similar to Java namespaces, that is, each component in the namespace corresponds to a directory name on the filesystem. This simple design ensures that the knowledge base is easily customizable and extensible.

Currently, the knowledge base is stored along with the framework but it will be an entity of its own in the future.

- Browse the existing [knowledge base](#)
- [Anatomy of a model](#) - Discusses the format of a model script.
- [Building models by composing existing models](#) - Discusses how new models can be built by composing existing models from the repository.

The current snapshot of the layout is as follows (***subject to change***) :

```
knowbase/
|-- modeltemplate.b
|-- net
|   |-- app_proto
|   |   |-- dnsreqres.b
|   |-- attacks
|   |   |-- dnskaminsky.b
|   |-- base_proto
|       |-- concipflows.b
|       |-- conctcpflows.b
|       |-- ippktpair.b
|       |-- tcpconnsetup.b
|       |-- tcpconntdown.b
|       |-- tcpflow.b
|       |-- tcppktpair.b
|       |-- udppktpair.b
|-- README
|-- usermodels
    |-- doshussain03.b
```