Broker

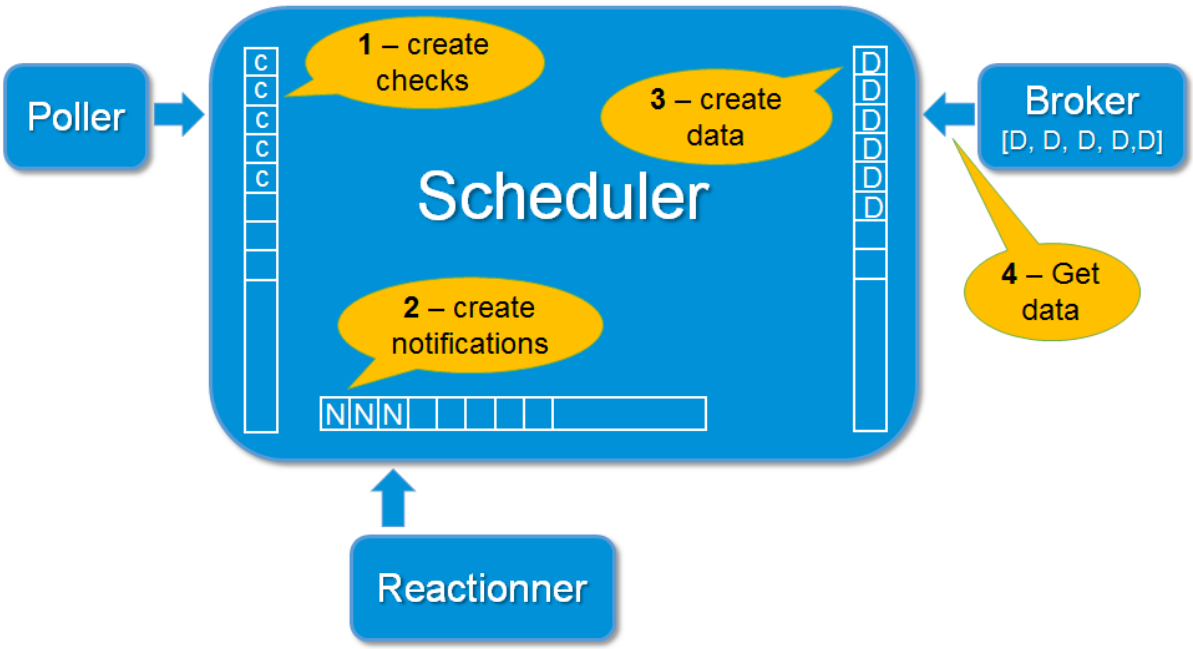
Role

The broker daemon exports and manages data from schedulers. The management can be done exclusively with modules. Multiple broker modules can be enabled simultaneously. Example of broker modules:

- Module for centralizing Shinken logs: Simple-log (flat file)
- Modules for exporting data: Graphite-Perfdata
- Modules for the Livestatus API

Data

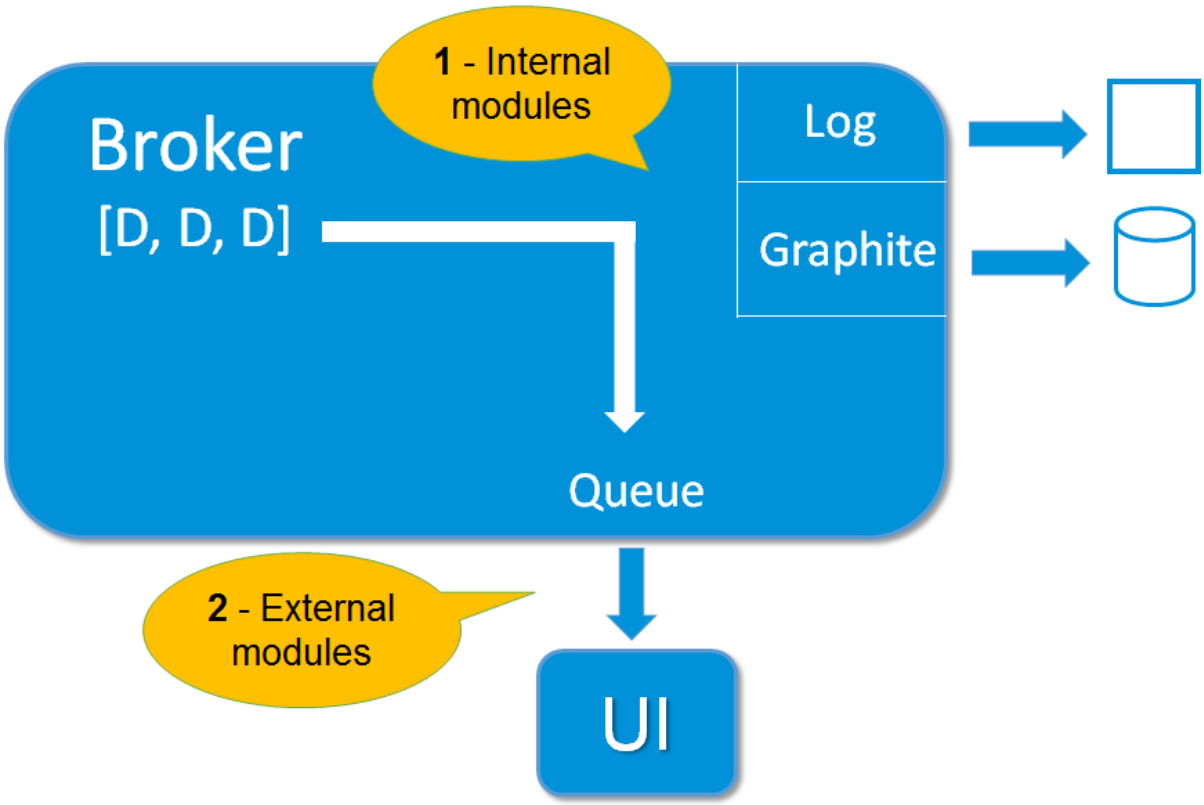
The broker daemon get all monitoring data from the schedulers. it will also keep in memory host and check data. It also save checks results into a mongodb database. If possible, this database should be installed on the broker server.



Metrology data

The metrology data are saved on the broker server by the graphite application. This application is listening to the 2003 port, and this connexion is without authentification. So this application should be local and limited to the localhost address of the broker server.

Broker internals



Broker connexion summary

Source	Destination	Port	Protocol	Note
Broker	Scheduler	7768	HTTPS	
Broker	Poller	7771	HTTPS	
Broker	Reactionner	7769	HTTPS	
Broker	Receiver	7773	HTTPS	
Broker	Broker (local)	2003	TCP	localhost only interface

Variable Descriptions

Property	Default	Description
broker_name	N/A	This variable is used to identify the *short name* of the broker which the data is associated with.
address	N/A	This directive is used to define the address from where the main arbier can reach this broker. This can be a DNS name or a IP address.
port	772	This directive is used to define the TCP port used bu the daemon.
spare	0	This variable is used to define if the broker must be managed as a spare one (will take the conf only if a master failed). The default value is *0* (master).
realm	N/A	This variable is used to define the realm where the broker will be put. If none is selected, it will be assigned to the default one.
manage_arbiters	1	Take data from Arbiter. There should be only one broker for the arbiter.

manage_sub_realms	1	This variable is used to define if the broker will take jobs from scheduler from the sub-realms of it's realm.
modules	N/A	This variable is used to define all modules that the broker will load. The main goal ofthe Broker is to give status to theses modules.

Example Definition

```
define broker{
  broker_name           broker-1
  address               node1.mydomain
  port                  7772
  spare                 0
  realm                 All
  manage_arbiters       1
  manage_sub_realms     1
  timeout               3
  data_timeout          120
  max_check_attempts    3
  check_interval        60
  modules               simple-log
}
```