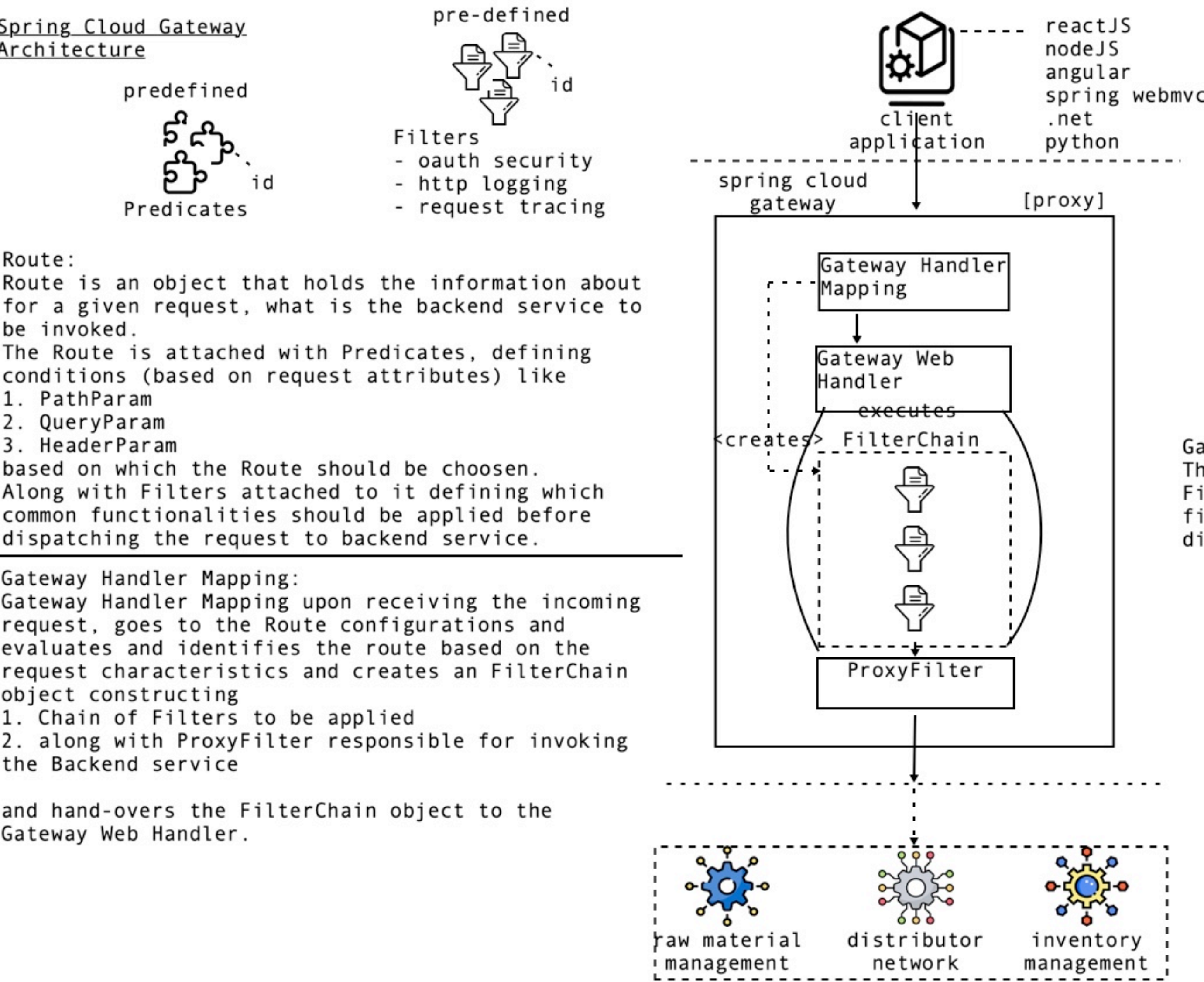


Spring Cloud Gateway
Architecture



Route:
Route is an object that holds the information about for a given request, what is the backend service to be invoked.
The Route is attached with Predicates, defining conditions (based on request attributes) like

1. PathParam
2. QueryParam
3. HeaderParam

based on which the Route should be choosen.
Along with Filters attached to it defining which common functionalities should be applied before dispatching the request to backend service.

Gateway Handler Mapping:
Gateway Handler Mapping upon receiving the incoming request, goes to the Route configurations and evaluates and identifies the route based on the request characteristics and creates an FilterChain object constructing

1. Chain of Filters to be applied
2. along with ProxyFilter responsible for invoking the Backend service

and hand-overs the FilterChain object to the Gateway Web Handler.

Gateway Web Handler:
The Gateway Web Handler is responsible for executing all the Filters that are identified aspart of the FilterChain and finally invokes the ProxyFilter that is reponsible for dispatching the request to the Backend Service.