

incoming HTTP request



Base headers checker filter



Clock discrepancy filter



Signature verification filter

Create the request hash
of the incoming request
according to the provided
authentication scheme

Retrieve the
corresponding key of the
provided device id or
authentication session id
from the database

Create the signature of
the request hash with
the retrieved key

Do the
provided
and the calculated
signatures
match?

No

Return `Unauthorized`
API error

Yes

Forward the request to
the next filter



Authentication filter



authorization and controller processing