

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

Forward the request to  
the next filter

Yes



**Authentication filter**



authorization and controller processing