

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