

## DiplomatiqAuthenticationScheme

### AuthenticationSessionSignatureV1

signing with AuthenticationSessionKey

### DeviceSignatureV1

signing with DeviceKey

### SessionSignatureV1

signing with DeviceKey

for performing password and multi-factor authentication, and registering a device

for getting a session

for every other API call

## Required headers for the authentication schemes

base headers (required on every request, even on unauthenticated ones)

ClientId: Diplomatiq/DiplomatiqFrontend/1.0.0  
Instant: 2020-06-21T12:34:56.789Z

authentication credentials for the scheme (besides the secret request signing key)

AuthenticationSessionId:  
mk6GE1DgGaGmmhk2zjMseOBUtviJ9SoW

DeviceId:  
hfX9IcsIfC3xDfL5Zmcfjckz1Sv8lCez

DeviceId:  
hfX9IcsIfC3xDfL5Zmcfjckz1Sv8lCez  
SessionId:  
fSILRDre2SLzpcvLANBqeqreWATEkVed

specifying which headers are part of the request signature (so the server can check the signature)

SignedHeaders:  
authenticationsessionid;clientid;  
instant;signedheaders

SignedHeaders:  
clientid;deviceid;instant;  
signedheaders

SignedHeaders:  
clientid;deviceid;instant;  
sessionid;signedheaders

authorization header containing the authentication scheme and the request signature encoded as a Base64 string

Authorization:  
AuthenticationSessionSignatureV1  
IxwagmnxN4QS9icGc0T6BR1QZC07Ysyg...

Authorization:  
DeviceSignatureV1  
K7MbwV8Bt5MCVTuEqnG3nT2XmZ8PaVb36...

Authorization:  
SessionSignatureV1  
gJryulNpaKzxkHfKk2LLJjuhFWM0yinB...