SIP OAuth Use Cases

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Enterprise SSO

- An **enterprise** is interested in providing its users with an **SSO** capability to the various corporate services.

- The user is expected to provide his **corporate credentials** to login to the corporate network and get access to all configured services, including **SIP** services, without the need to create different accounts for these different types of services.

IMS-WebRTC

- The **3GPP** network has a requirement to allow a user using a **WebRTC IMS Client (WIC)** to authenticate to a **WebRTC Authorization Function (WAF)** and in response be given an **access token** that allows the user to register and get service from the **3GPP IMS SIP** network.

- The **WIC** then requests an **access token** from the **WAF** using HTTP, which the **WIC** then uses to register to the **3GPP IMS SIP** network.

Confidential SIP Hardphone

- A **SIP hardphone** with **rich UI**, that has the capability to maintain the **confidentiality** of user's credentials, is used to authenticate to an authorization server, get a **token**, and use that token to register and get service from the **SIP** network.

- When the phone interacts with the authorization server and gets challenged to provide credentials, the phone will prompt the user to enter his credentials which will be used to authenticate to the authorization server.

Public SIP Hardphone

- A **SIP hardphone** with **limited UI capabilities**, that is **incapable of maintaining confidentiality of user's credentials**, is used to register with the **SIP** network by providing an **access code** obtained from an authorization server.

- The user will use an **out of band** method, e.g browser, to authenticate to the authorization server and get a **short-lived numeric access code**.

- The user will then use the **phone's keypad** to provide the **numeric access code** to the SIP phone. The phone will then use the **access code** to register and get service from the SIP network. The SIP Proxy will **exchange the access code with access token** from the authorization server.

QUESTIONS?