

NPM package

Since build [1.0.1.29](#), SFU SDK is available as NPM package [@flashphoner/sfusdk](#)

```
npm i @flashphoner/sfusdk
```

Below is a simple usage example in ReactJS application: room creation and destruction

```
import React, {useState} from "react";
import {Sfu, SfuEvent} from "@flashphoner/sfusdk";

export default function TestApp() {
  const [url, setUrl] = useState("ws://localhost:8080");
  const [established, setEstablished] = useState("Not connected");
  const [buttonText, setButtonText] = useState("Connect");
  const [session, setSession] = useState(null);

  function createRoom(options: {
    url: string,
    roomName: string,
    pin: string,
    nickname: string,
    pc: RTCPeerConnection
  }) {
    const sfu = new Sfu();
    sfu.connect({
      url: options.url,
      nickname: options.nickname,
      logGroup: options.roomName
    });
    const room = sfu.createRoom({
      name: options.roomName,
      pin: options.pin,
      pc: options.pc
    });
    return sfu;
  }

  function onClick() {
    if (session == null) {
      console.log("Trying to connect");
      const pc = new RTCPeerConnection();
      const s = createRoom({
        url: url,
        roomName: "ROOM",
        pin: "1234",
        nickname: "Test",
        pc: pc
      }).on(SfuEvent.CONNECTED, (room) => {
        console.log("Connected!");
        setEstablished("Connected!");
      });
    }
  }
}
```

```

        setButtonText("Disconnect");
        setSession(s);
        room.join();
    }).on(SfuEvent.DISCONNECTED, () => {
        console.log("Disconnected!");
        setEstablished("Not connected!");
        setButtonText("Connect");
        setSession(null);
    });
} else {
    let room = session.room();
    if(room) {
        room.destroyRoom()
    }
    session.disconnect();
}
}

return(
    <div>
        <div>
            <input type="text" value={url} placeholder="Enter server
websocket URL" onChange={(e) => setUrl(e.target.value)} />
            <button onClick={() => onClick()}>{buttonText}</button>
        </div>
        <div>{established}</div>
    </div>
)
}

```