

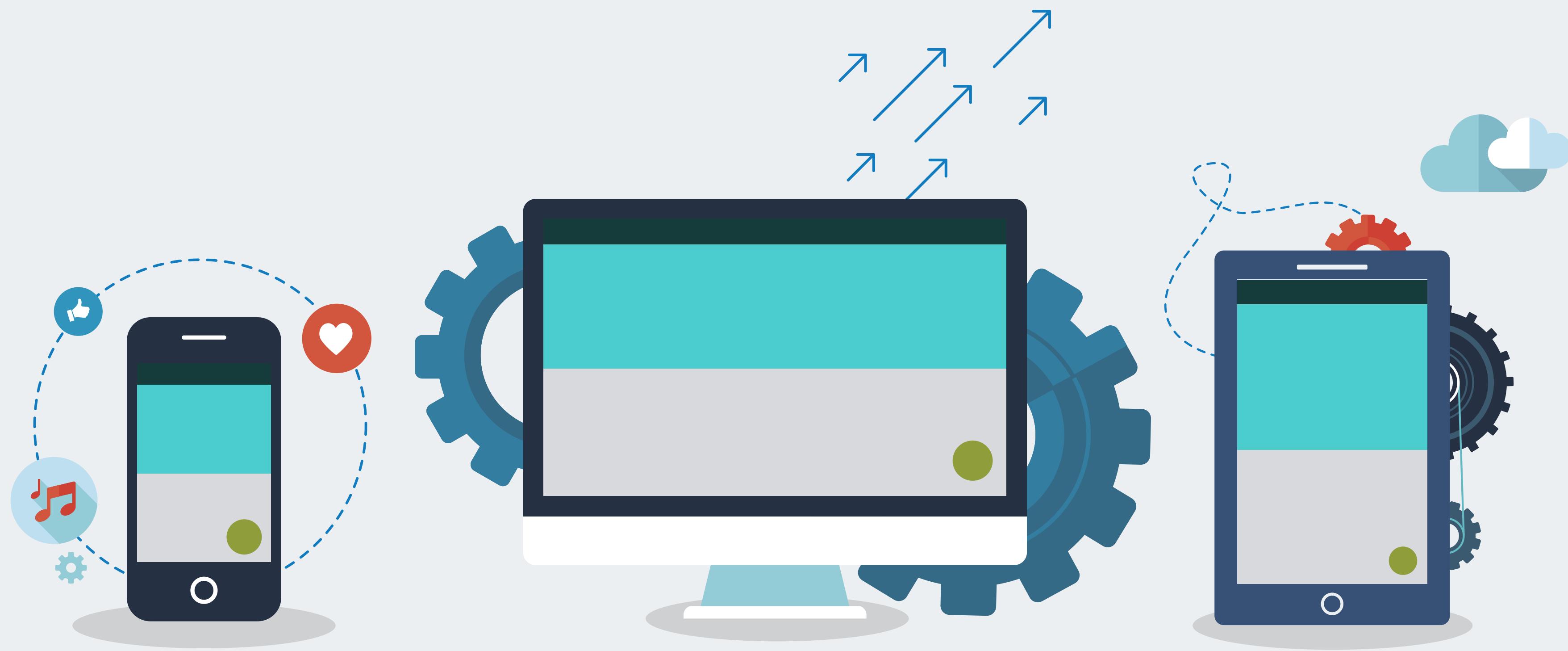


Progressive Web Apps



Kevin Dantas
Developer Full-stack

O que é um Progressive Web App



O que tem no Progressive Web App



Offline
First



Performance
Otimizada



Carregamento
Instantâneo



Push
Notification



Conexão
Segura

O que tem no Progressive Web App



Offline
First



Performance
Otimizada



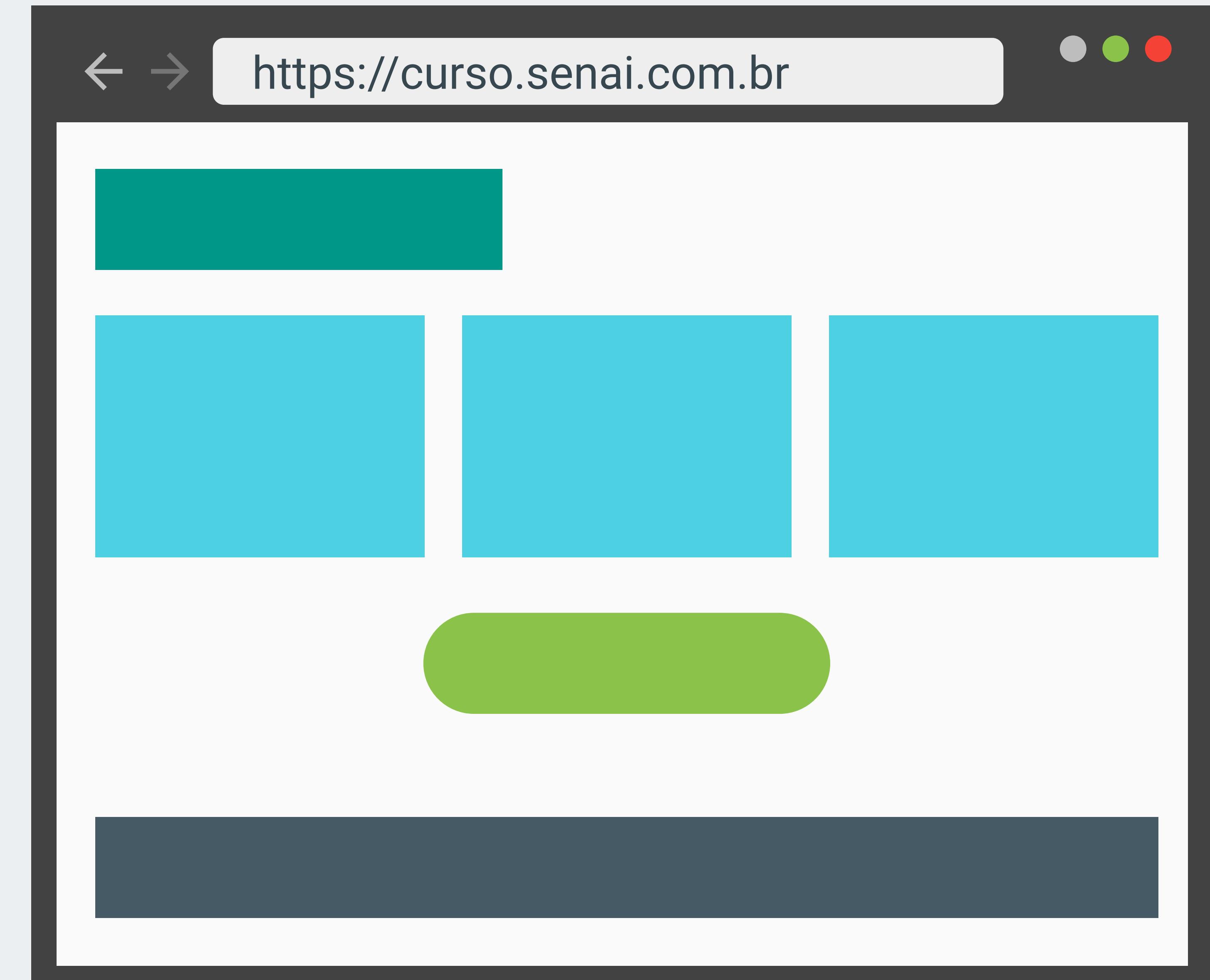
Carregamento
Instantâneo



Push
Notification

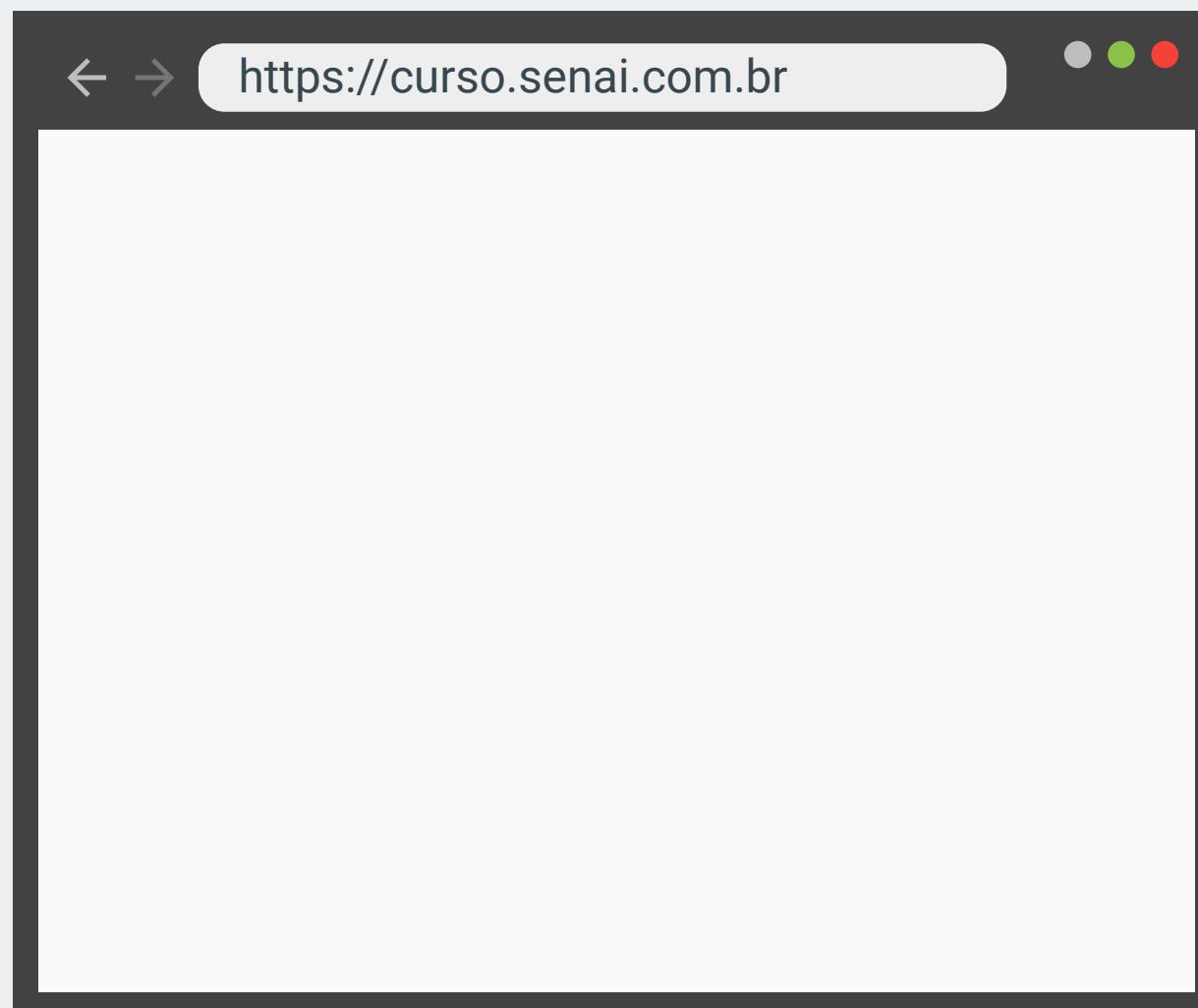


Conexão
Segura



Online

Navegador pede a página
index.html



Navegador pede a página
index.html

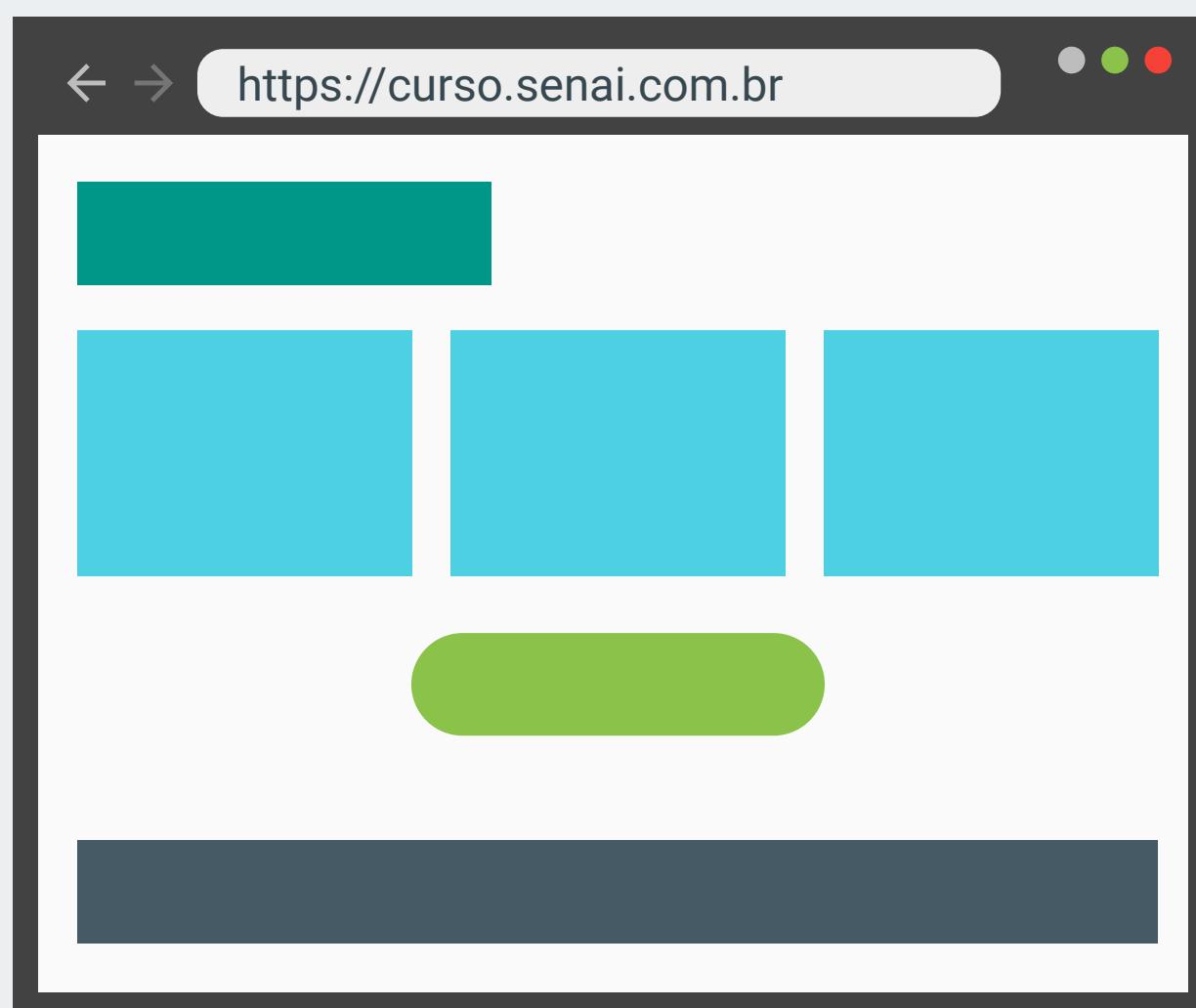


Servidor entrega a página
index.html

Navegador pede o arquivo
estilos.css



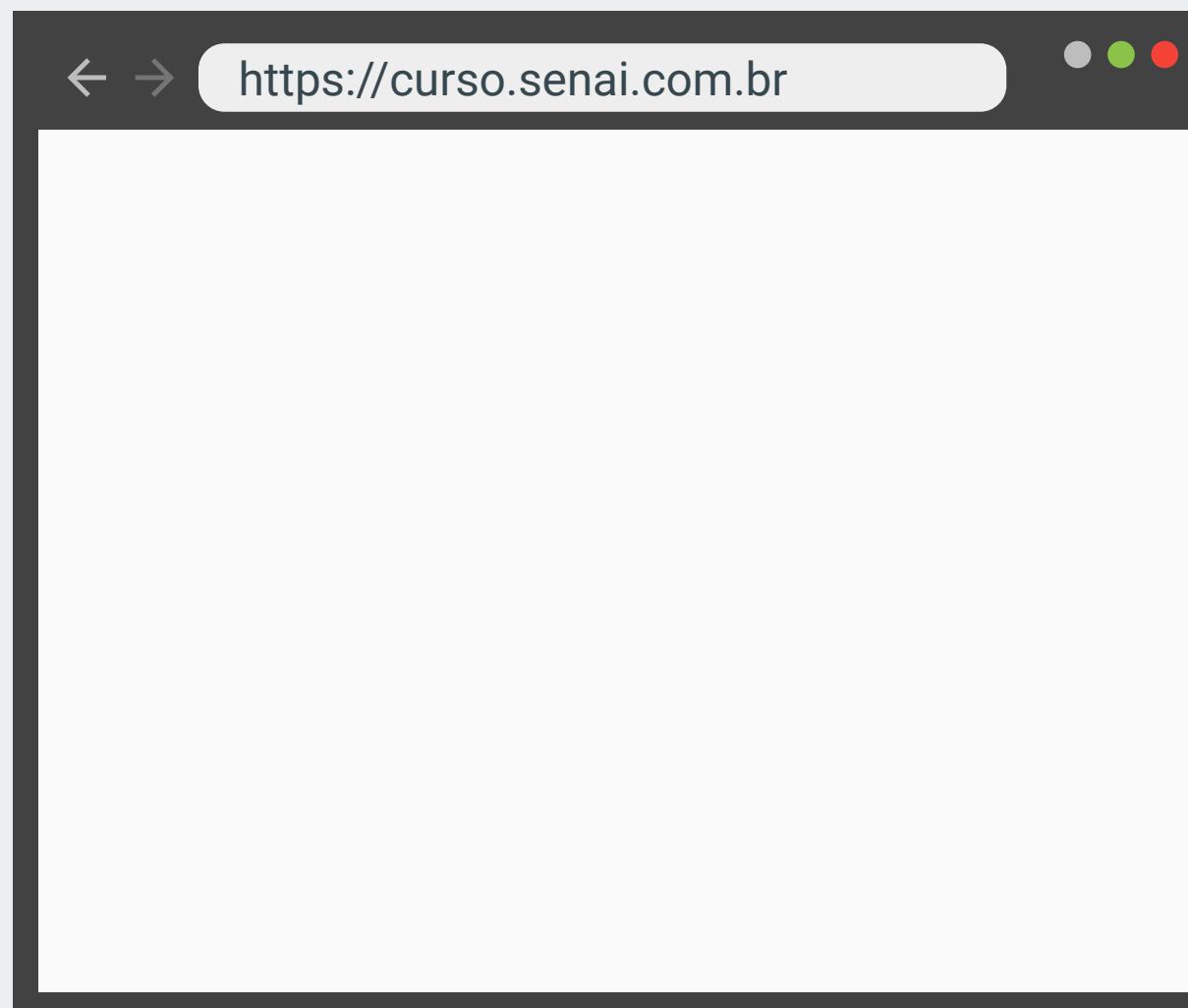
Navegador pede o arquivo
estilos.css



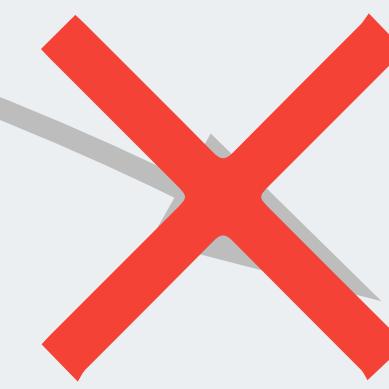
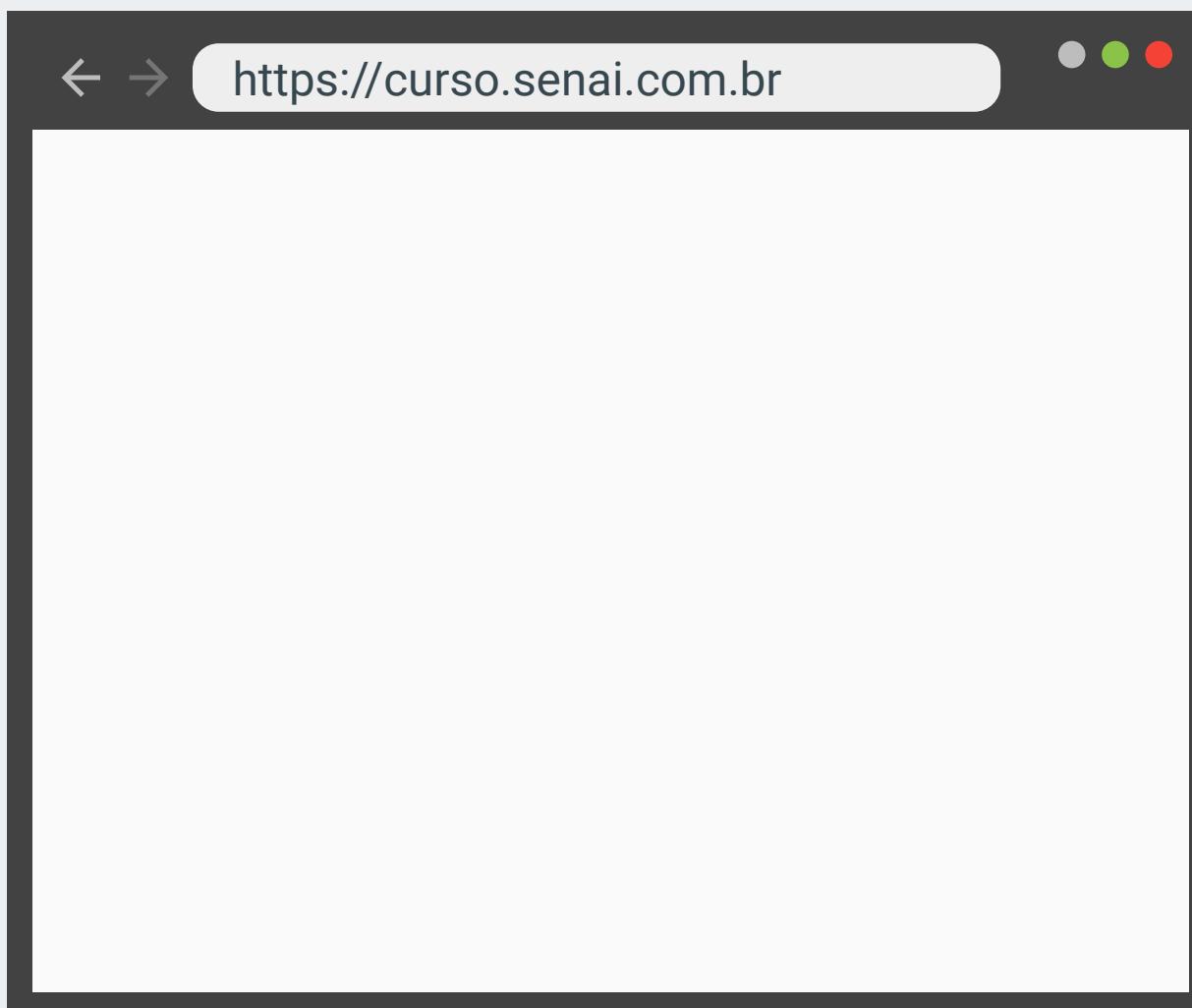
Servidor entrega o arquivo
estilos.css

Offline

Navegador pede a página
index.html



Navegador pede a página
index.html



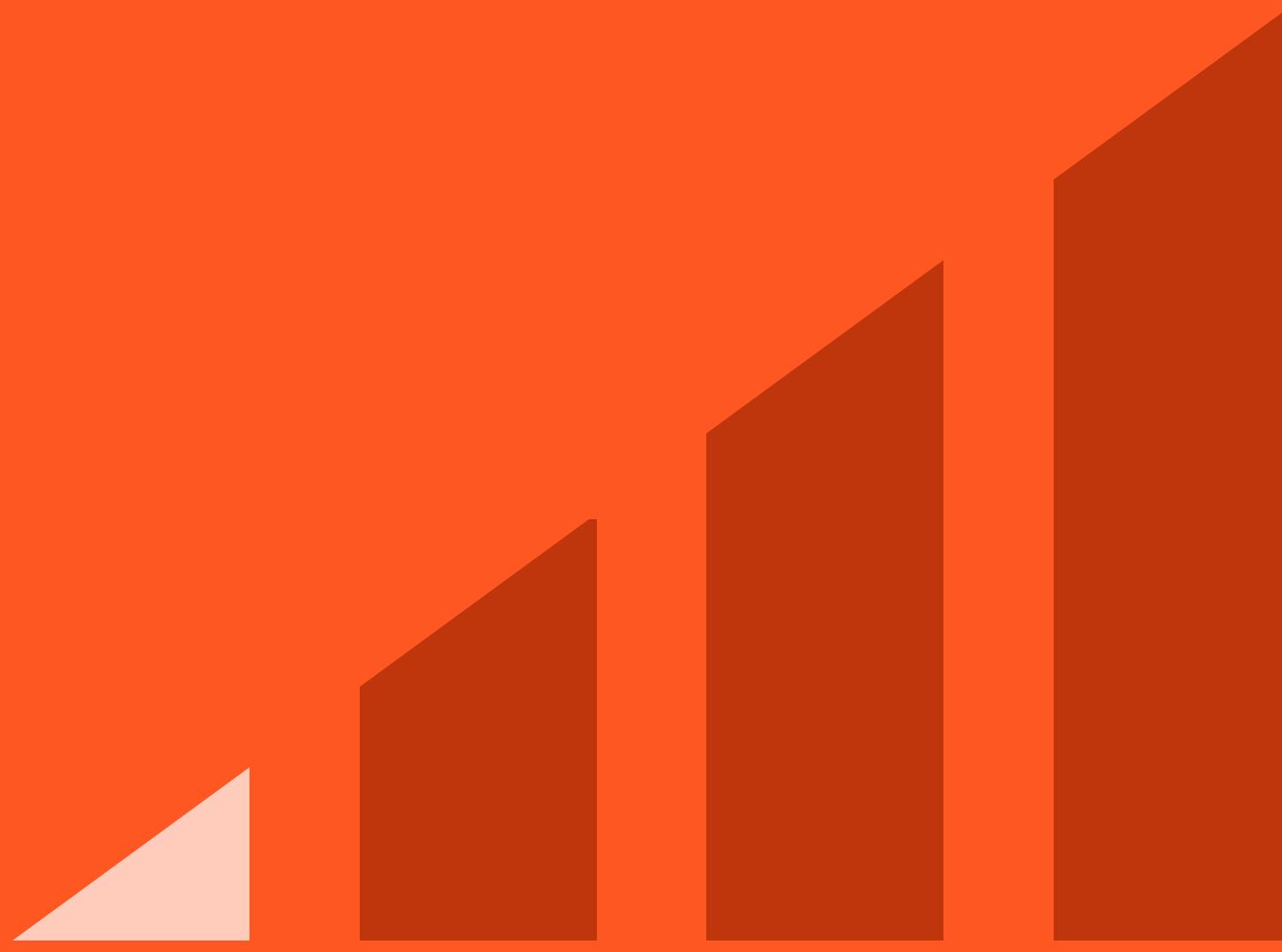


Não há conexão com a Internet

Tente:

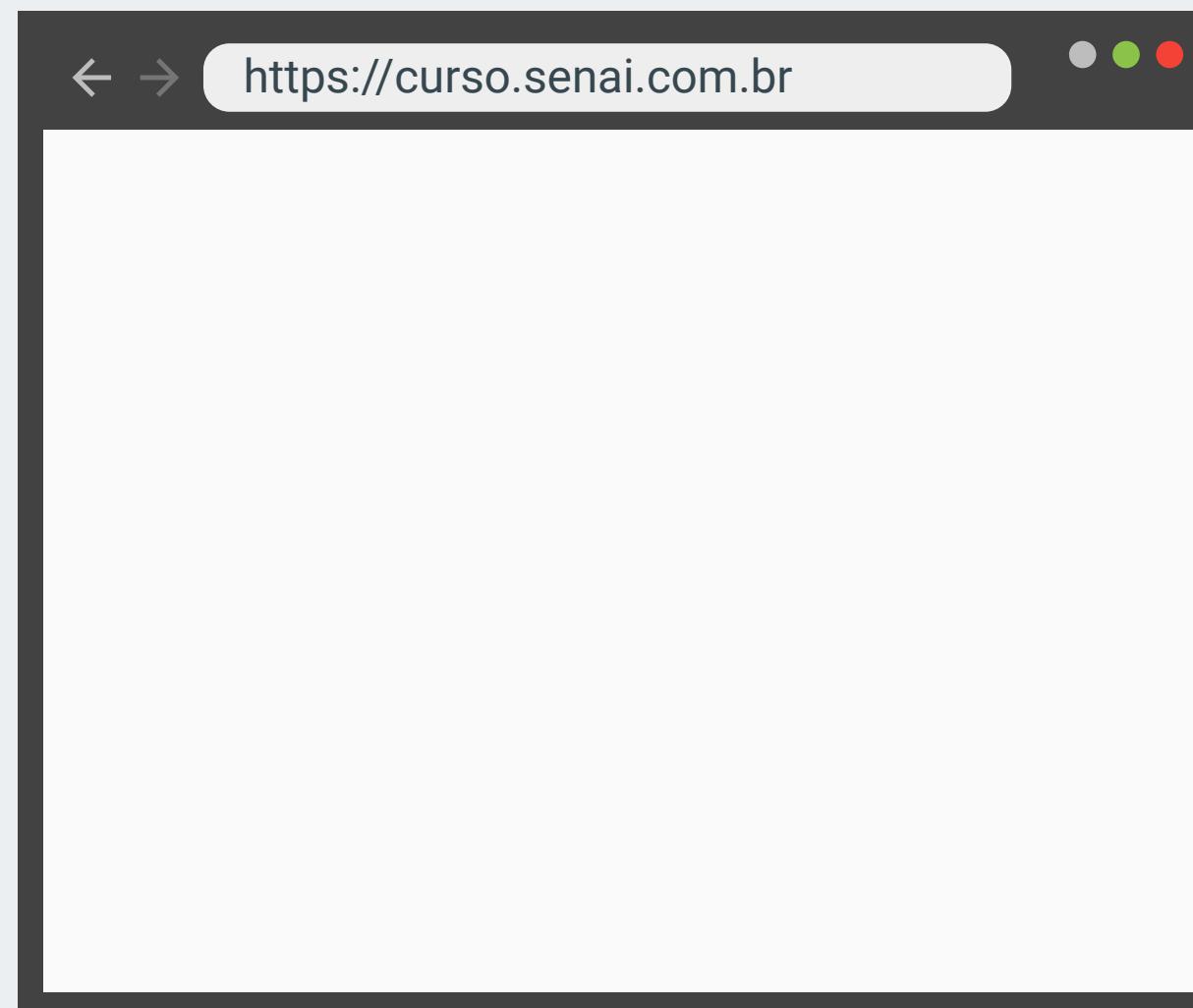
- Verificar os cabos de rede, modem e roteador
- Conectar-se à rede Wi-Fi novamente
- Executar o Diagnóstico de Rede do Windows

[ERR_INTERNET_DISCONNECTED](#)

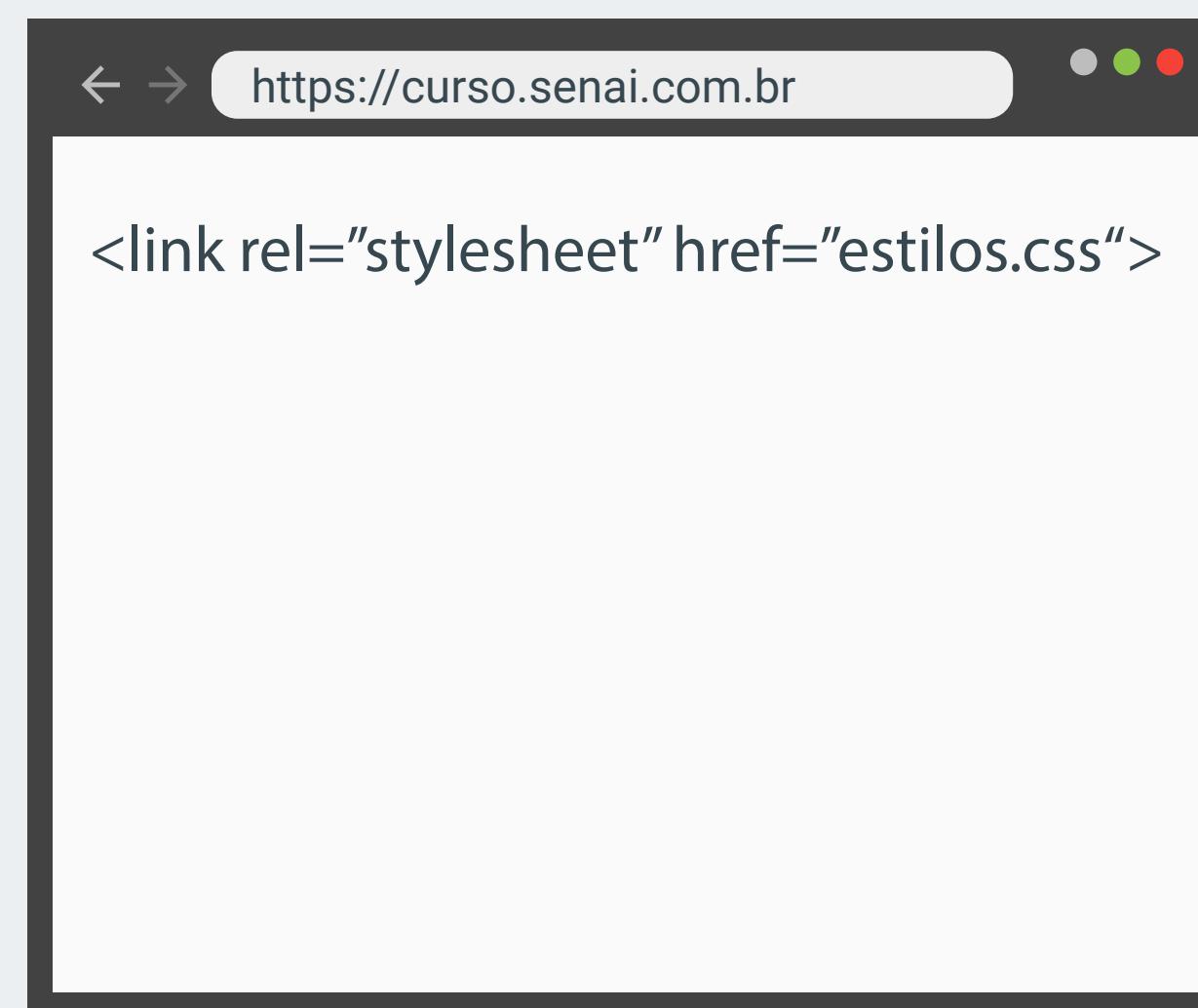


+ ou -
Online

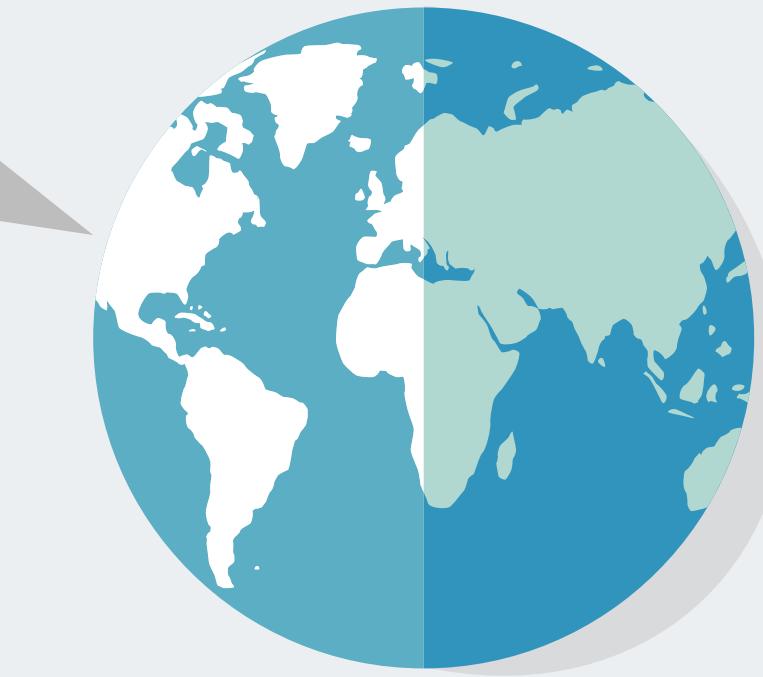
Navegador pede a página
index.html



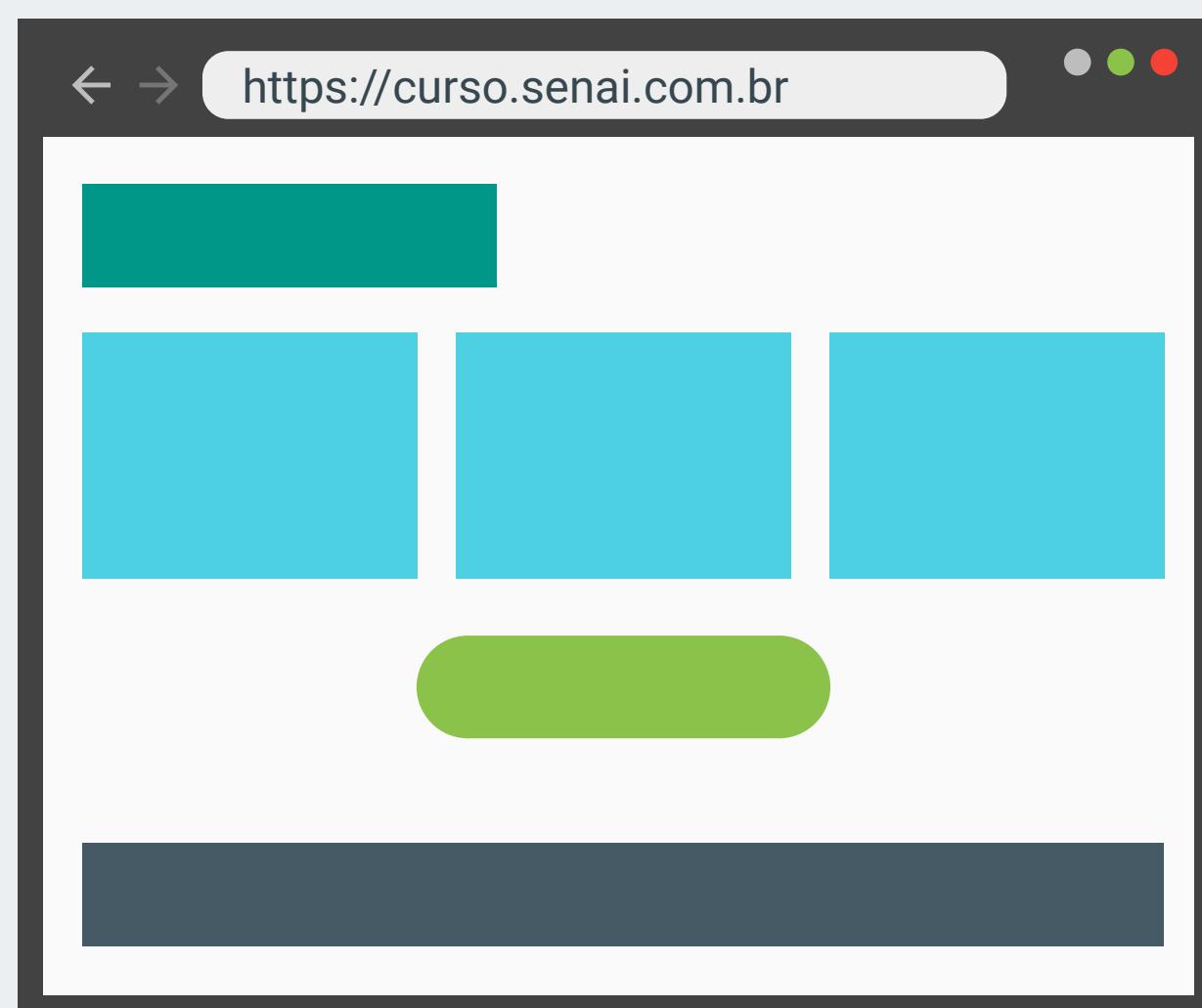
Servidor entrega a página
index.html



Navegador pede o arquivo
estilos.css



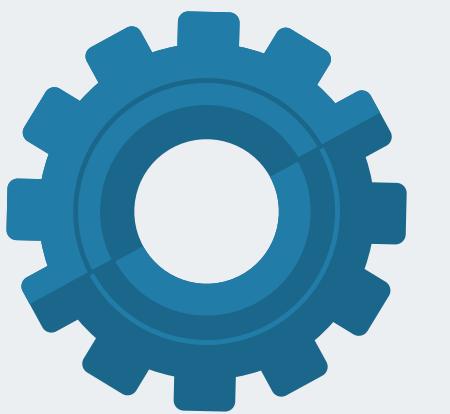
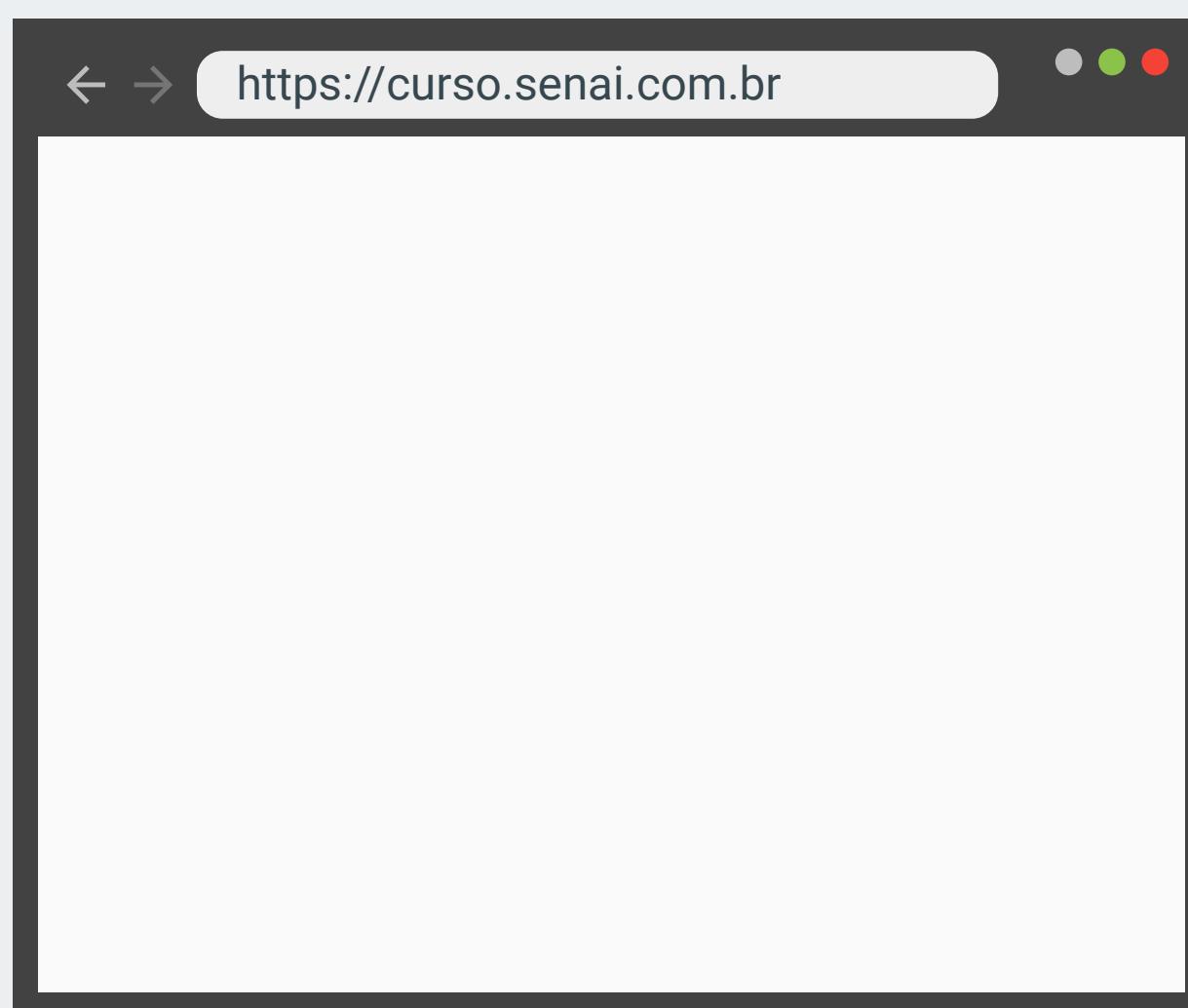
Servidor entrega o arquivo
estilos.css



A large-scale, multi-colored fireworks display against a black background. The fireworks are composed of numerous thin, glowing lines in shades of red, blue, yellow, and orange, creating a dense, spherical pattern that resembles a celestial body or a burst of energy.

Service Workers

Navegador pede a página
index.html



Service
Worker



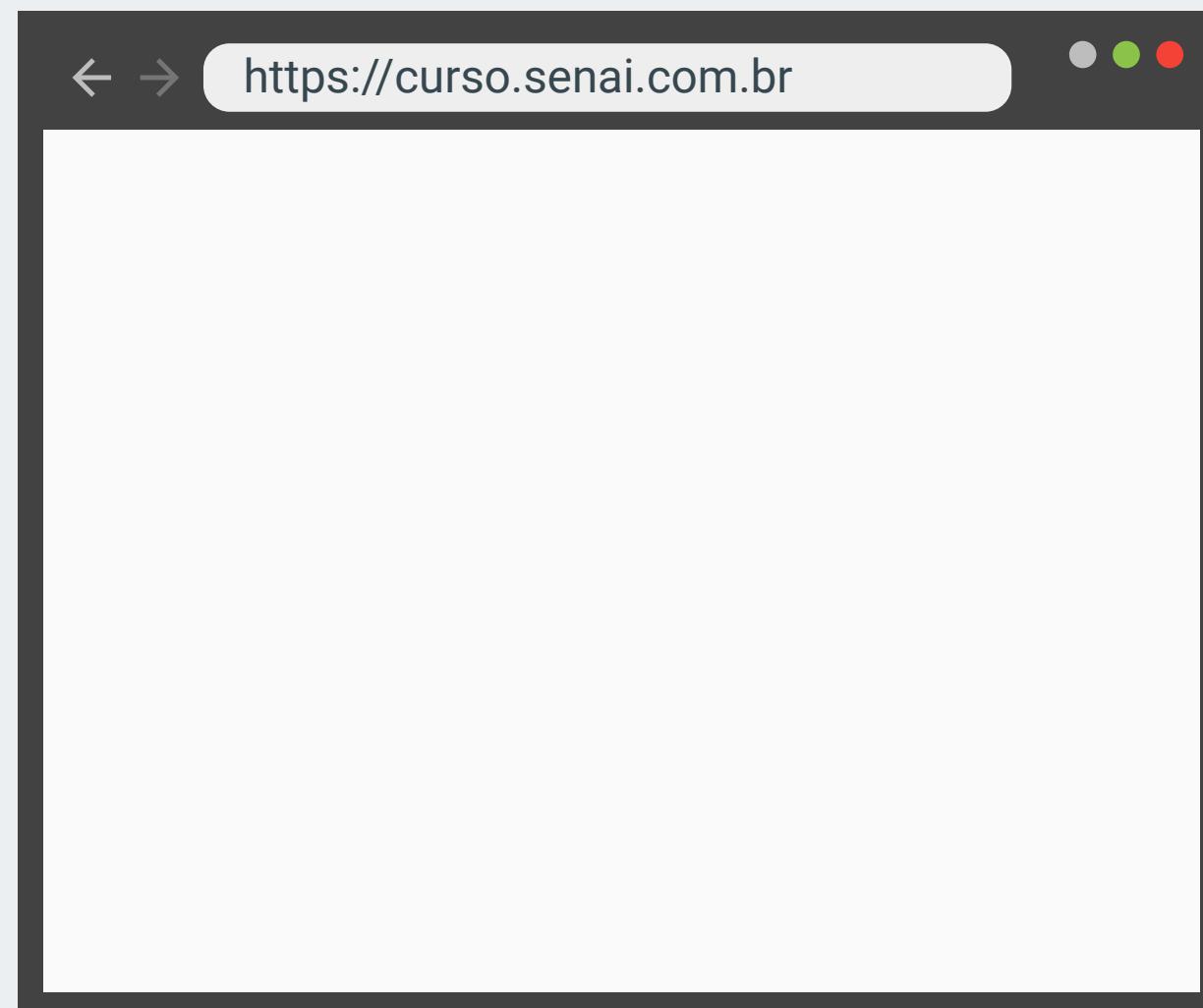
Navegador pede a página
index.html



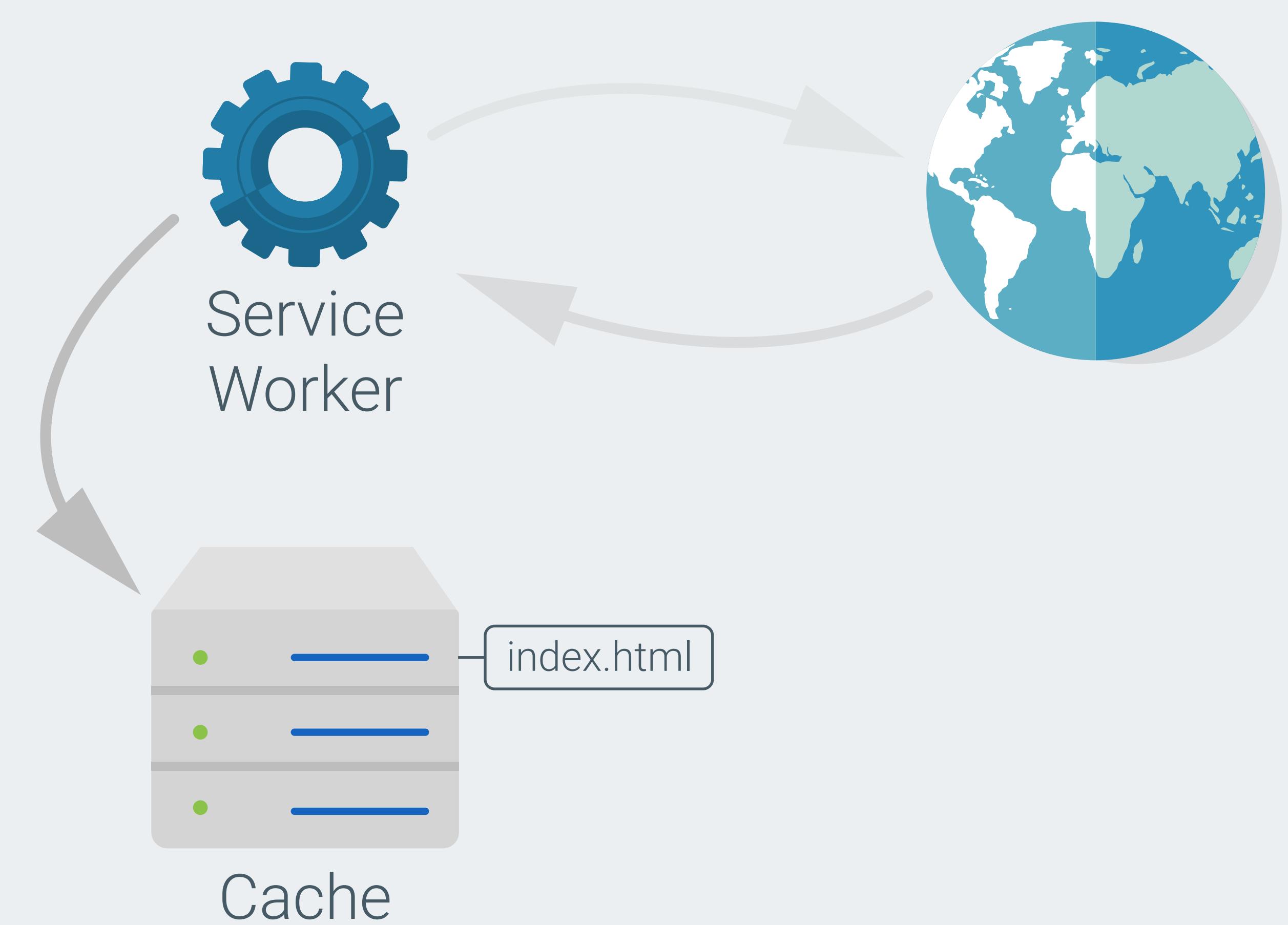
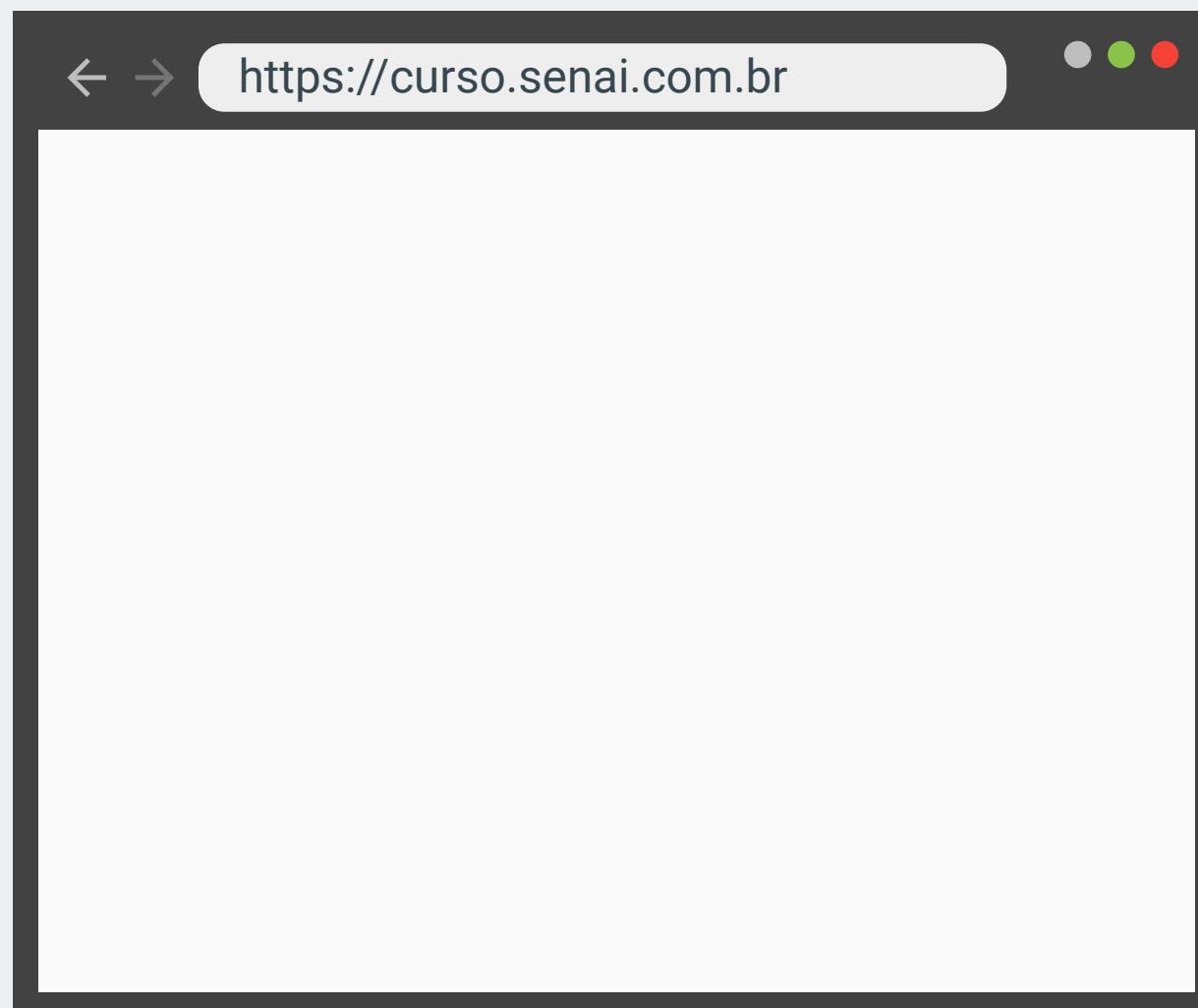
Service
Worker



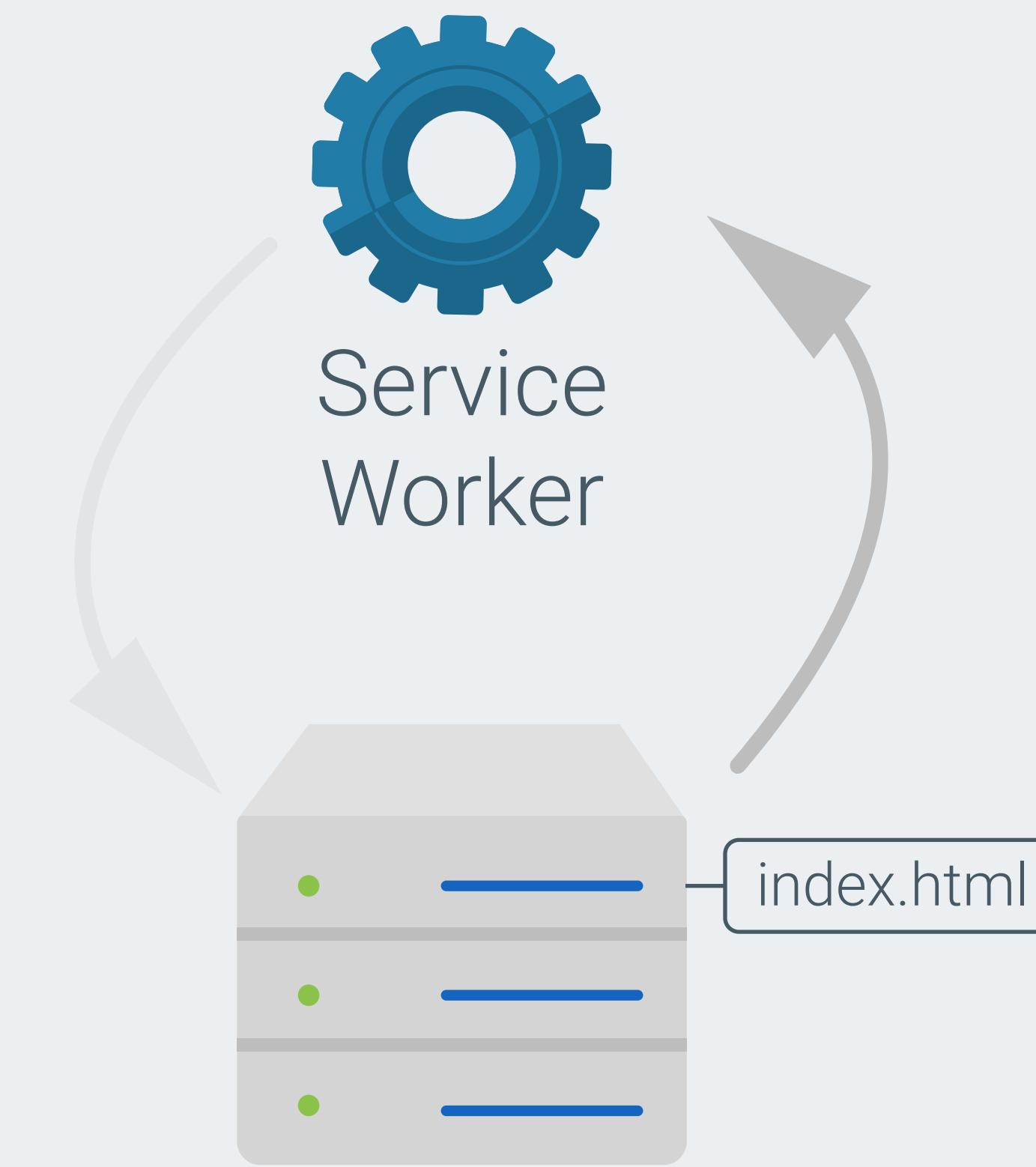
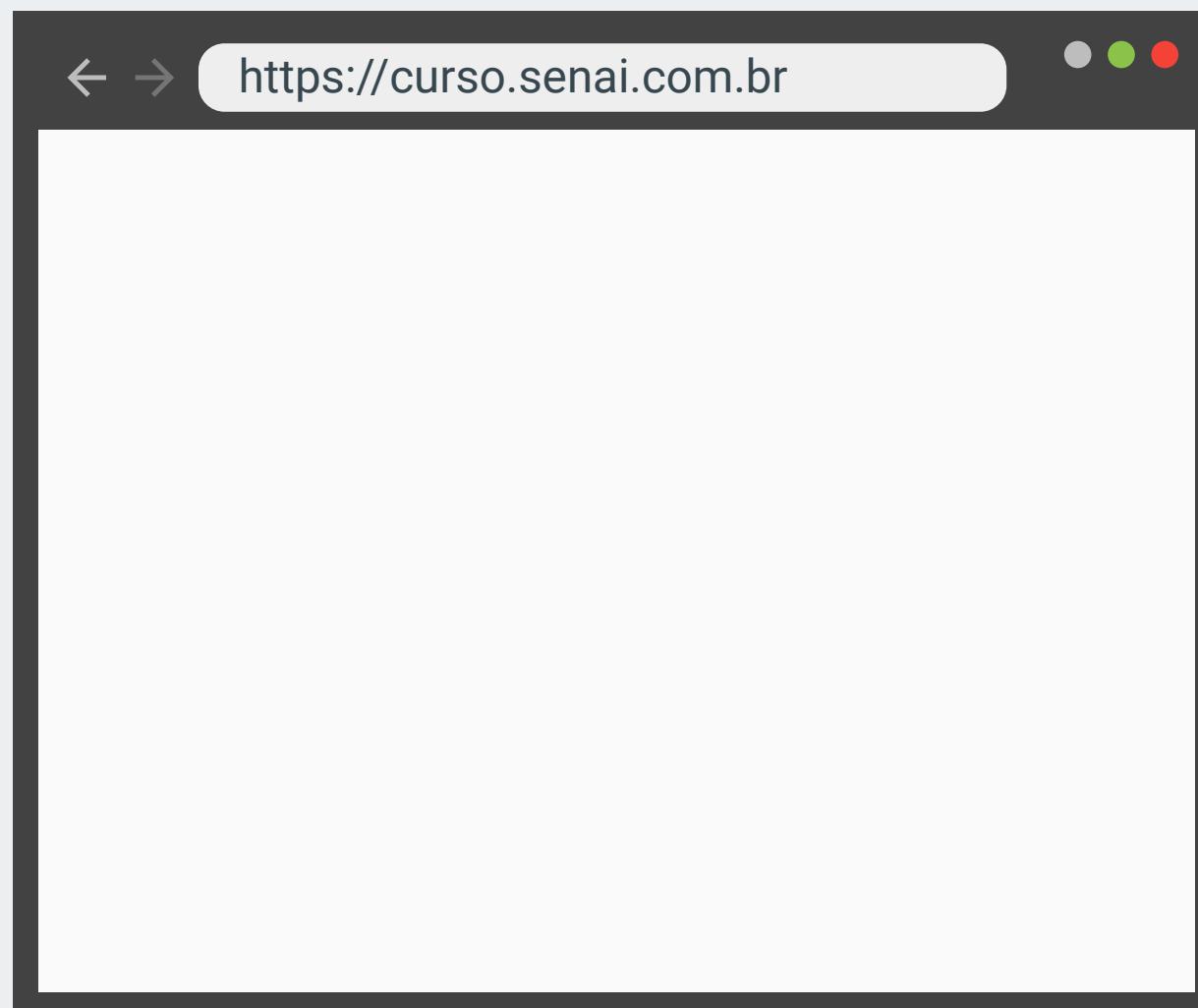
Navegador pede a página
index.html



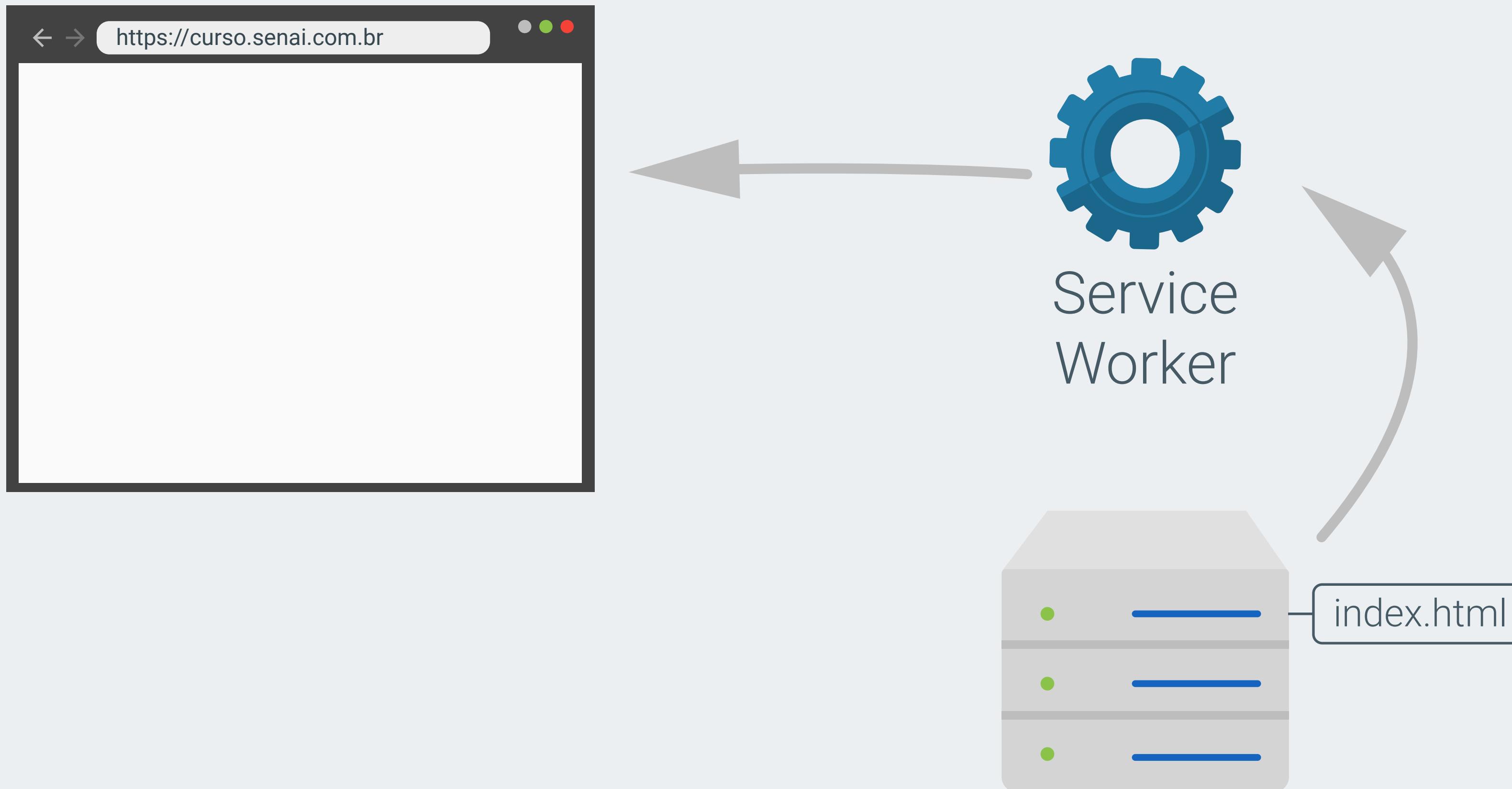
Navegador pede a página
index.html



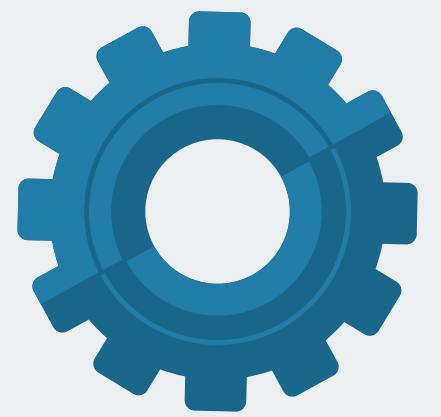
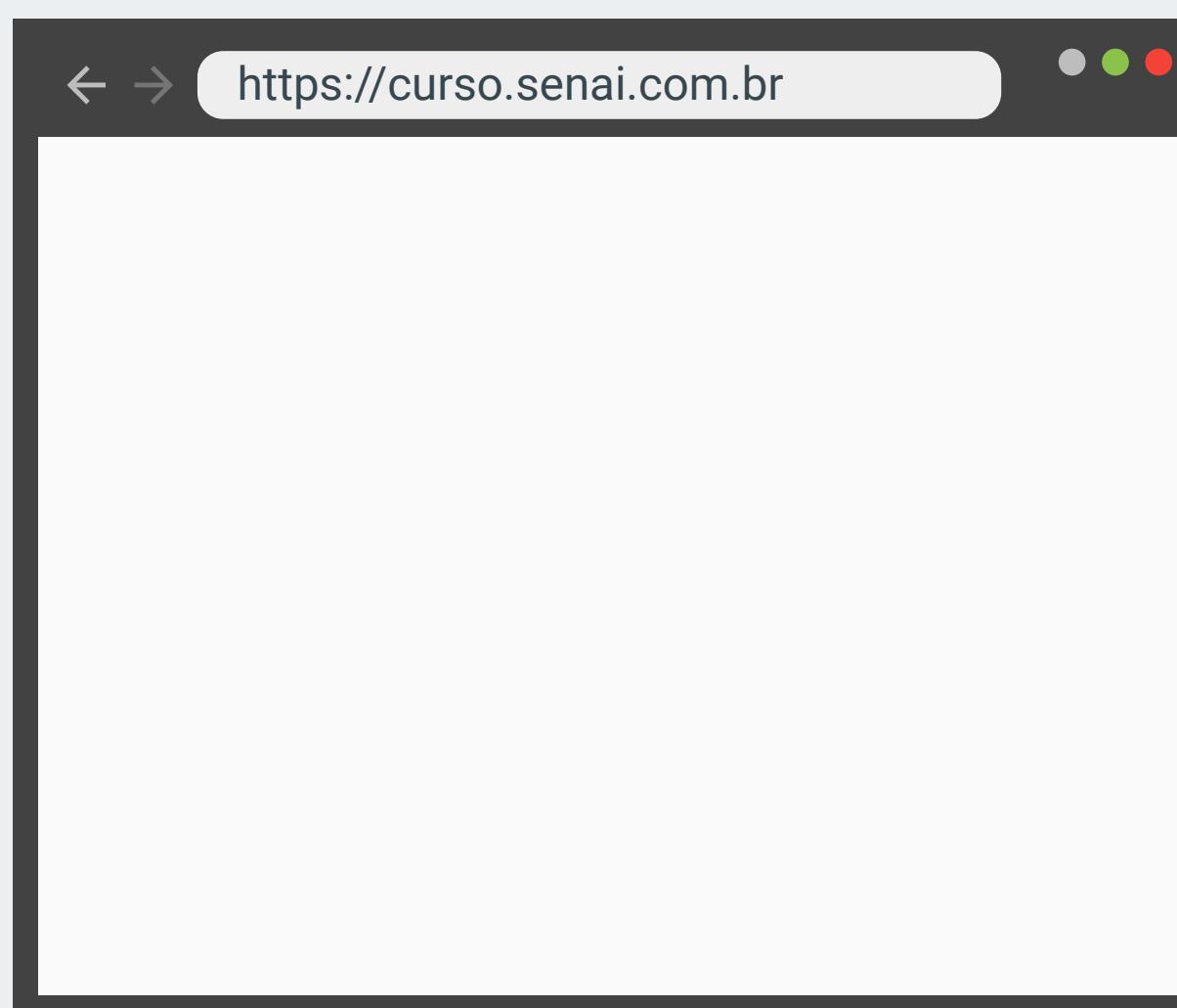
Navegador pede a página
index.html



Navegador pede a página
index.html



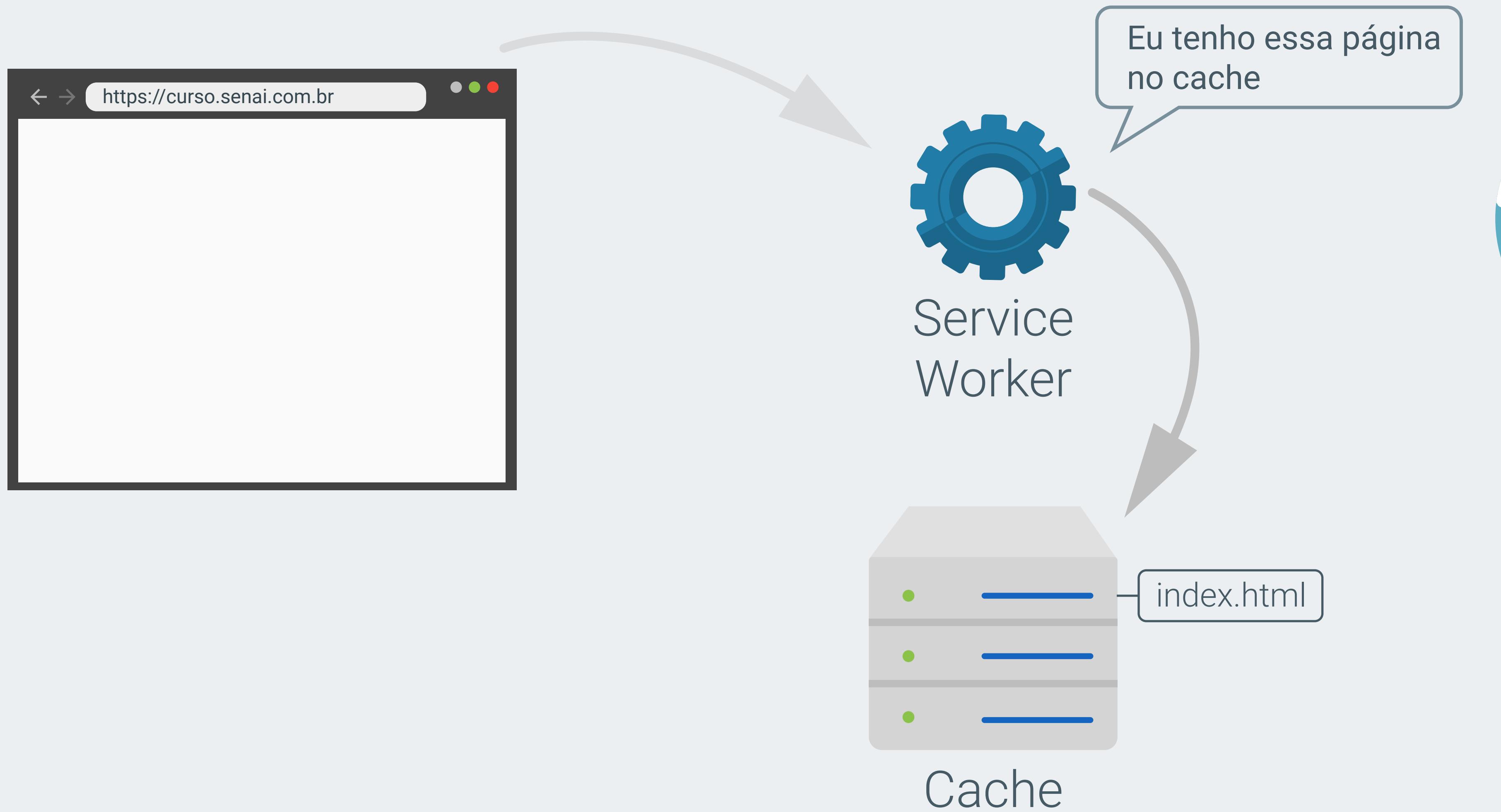
Navegador pede a página
index.html



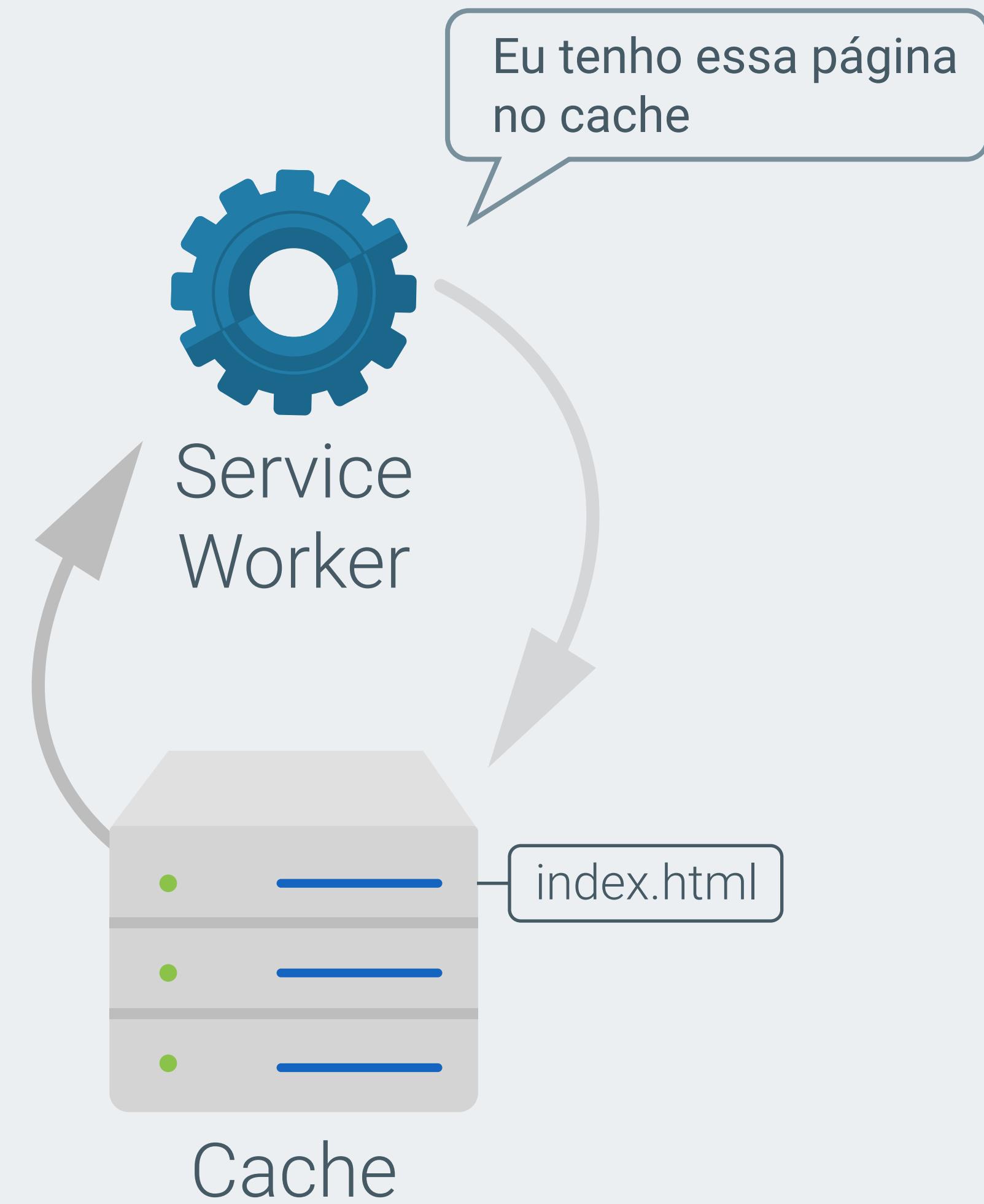
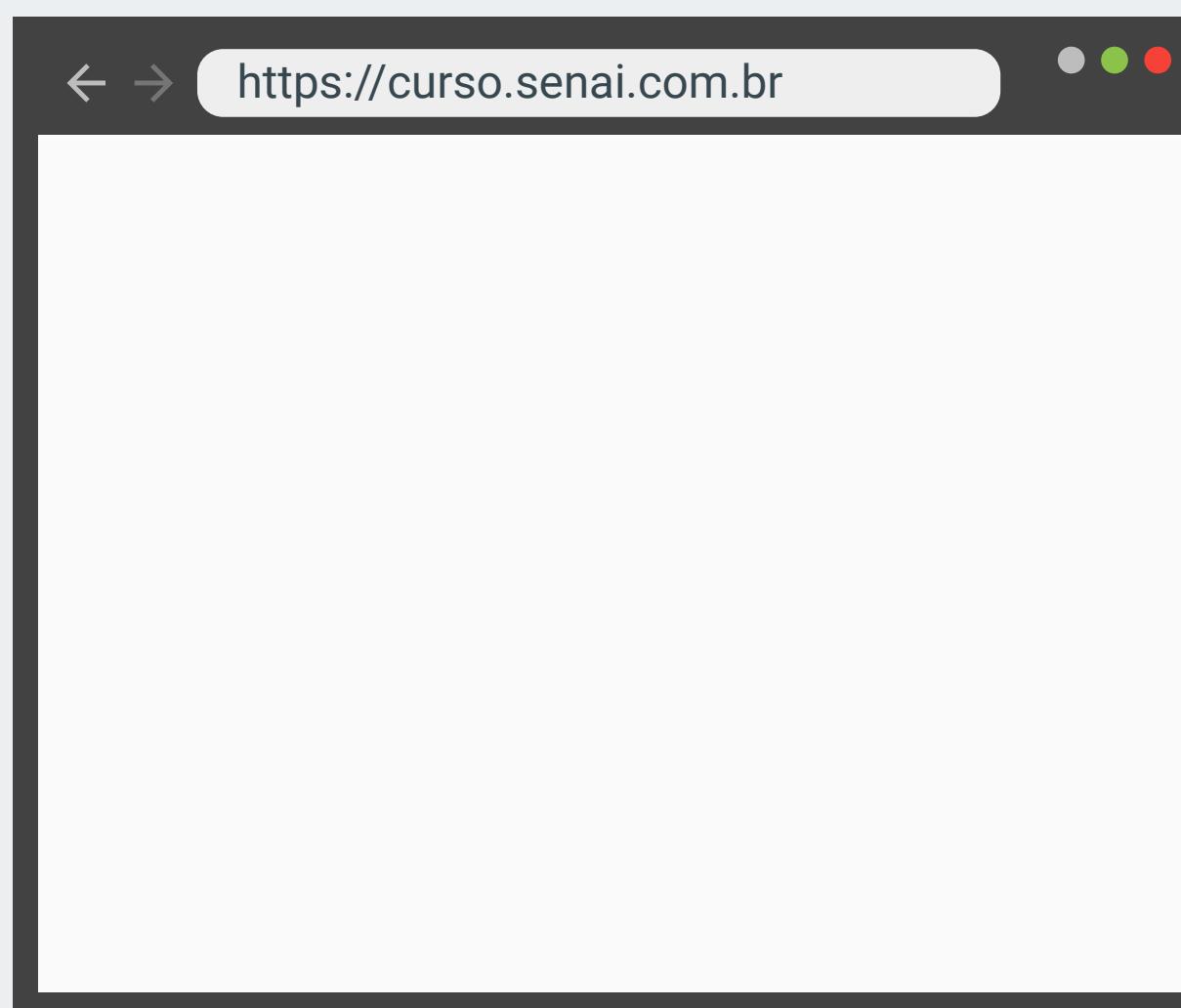
Service
Worker



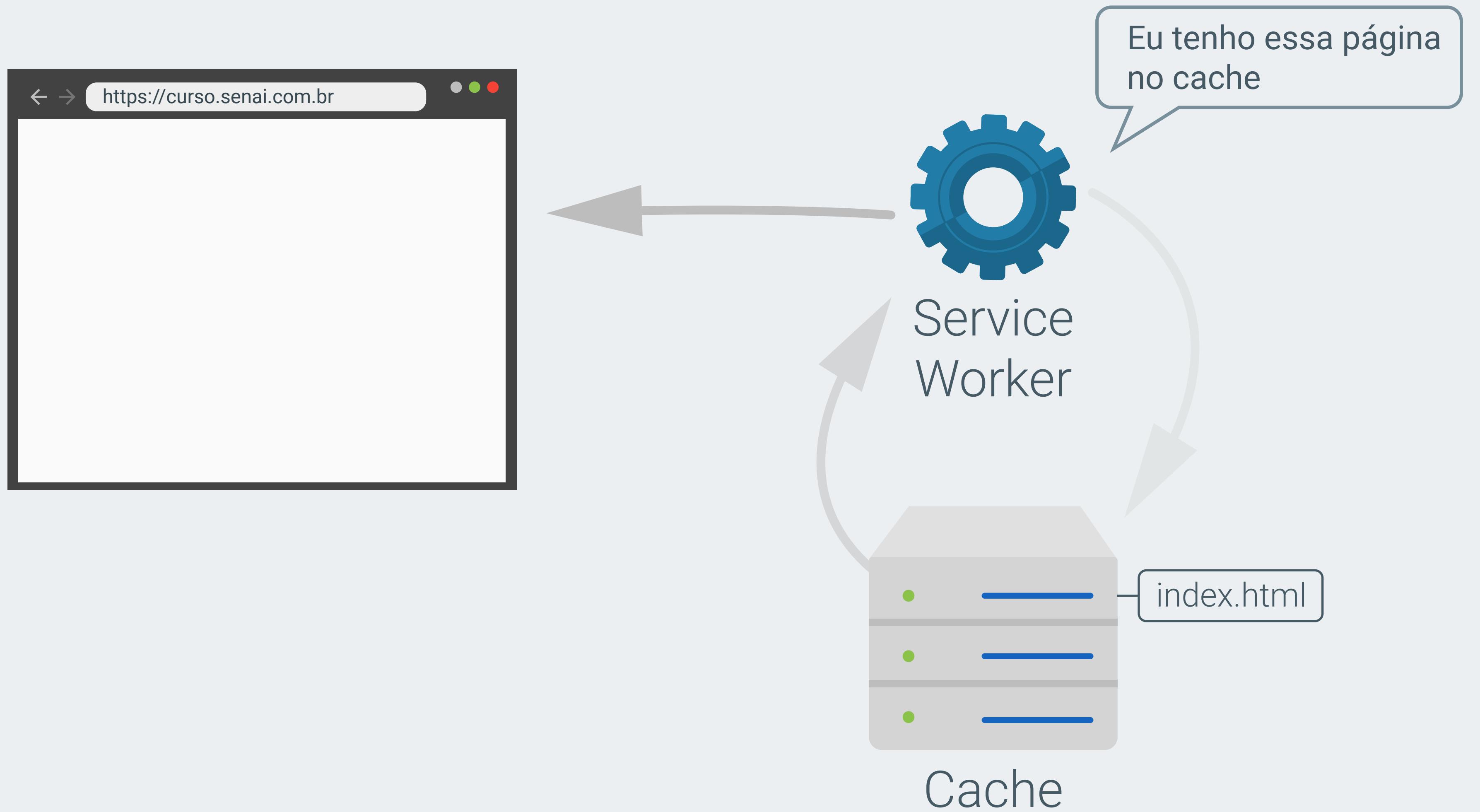
Navegador pede a página **index.html**



Navegador pede a página **index.html**



Navegador pede a página **index.html**



Hora de Codar!

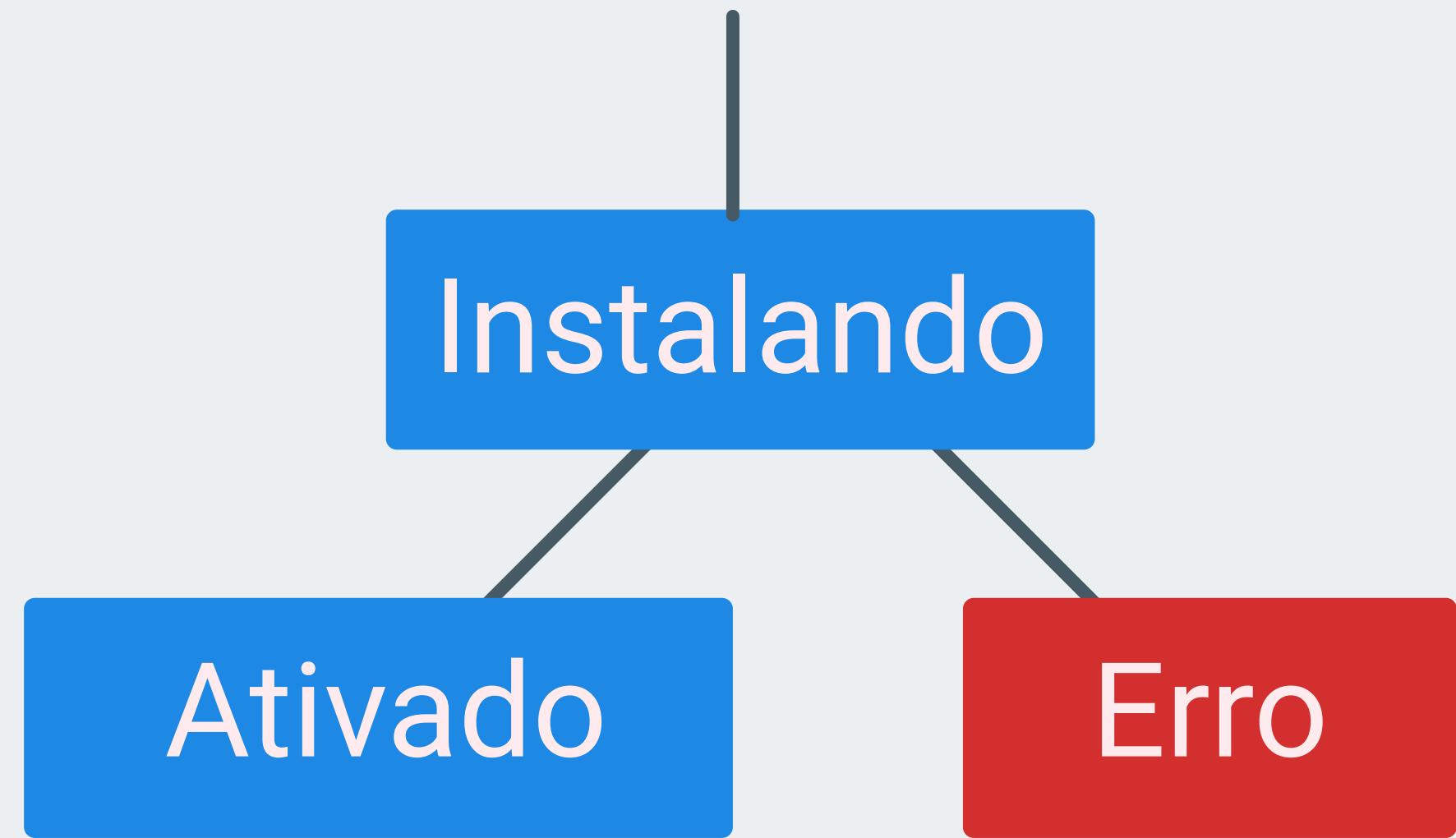
Registrando o Service Worker

Ciclo de Vida Service Worker

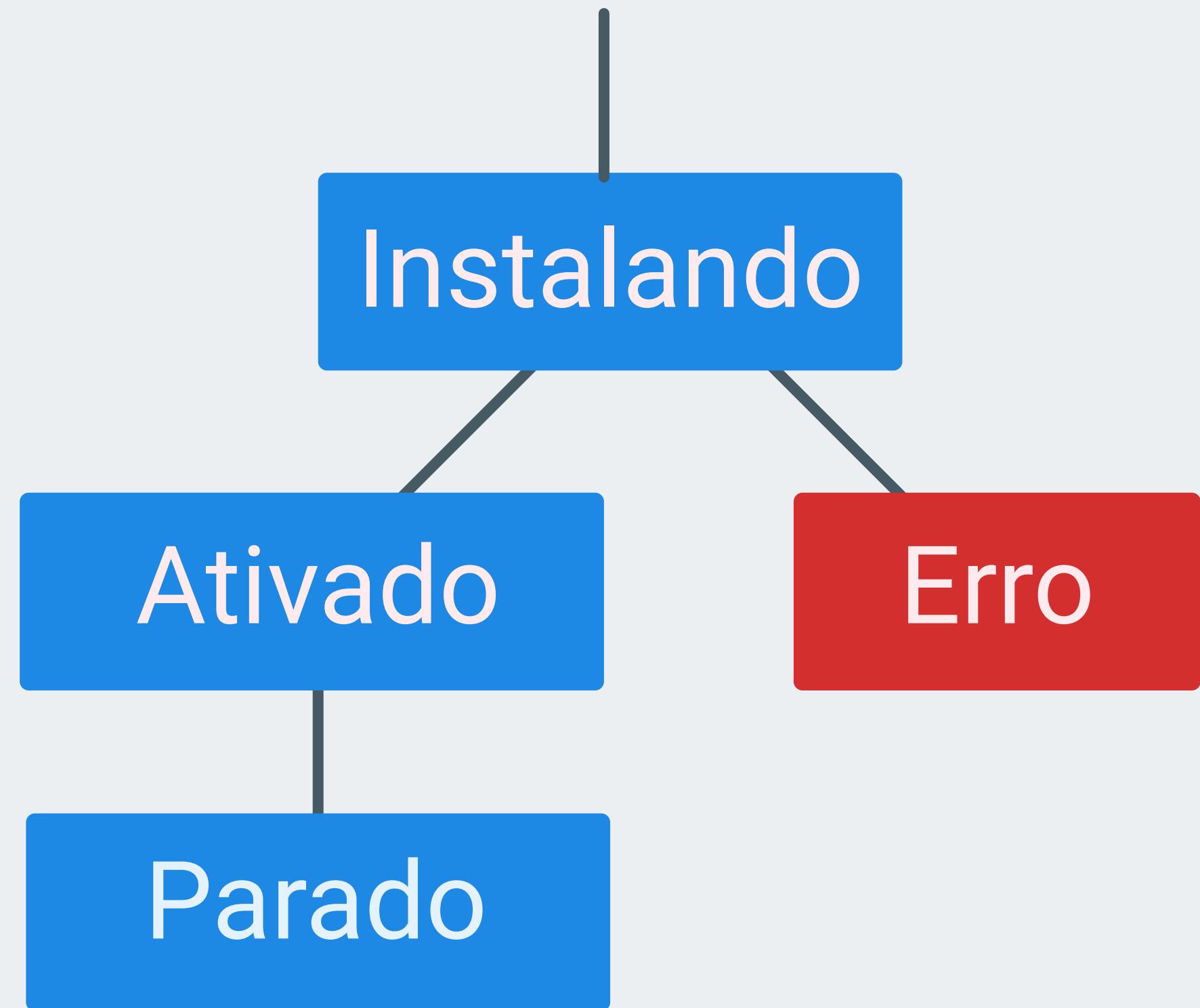
Sem Service Worker

Instalando

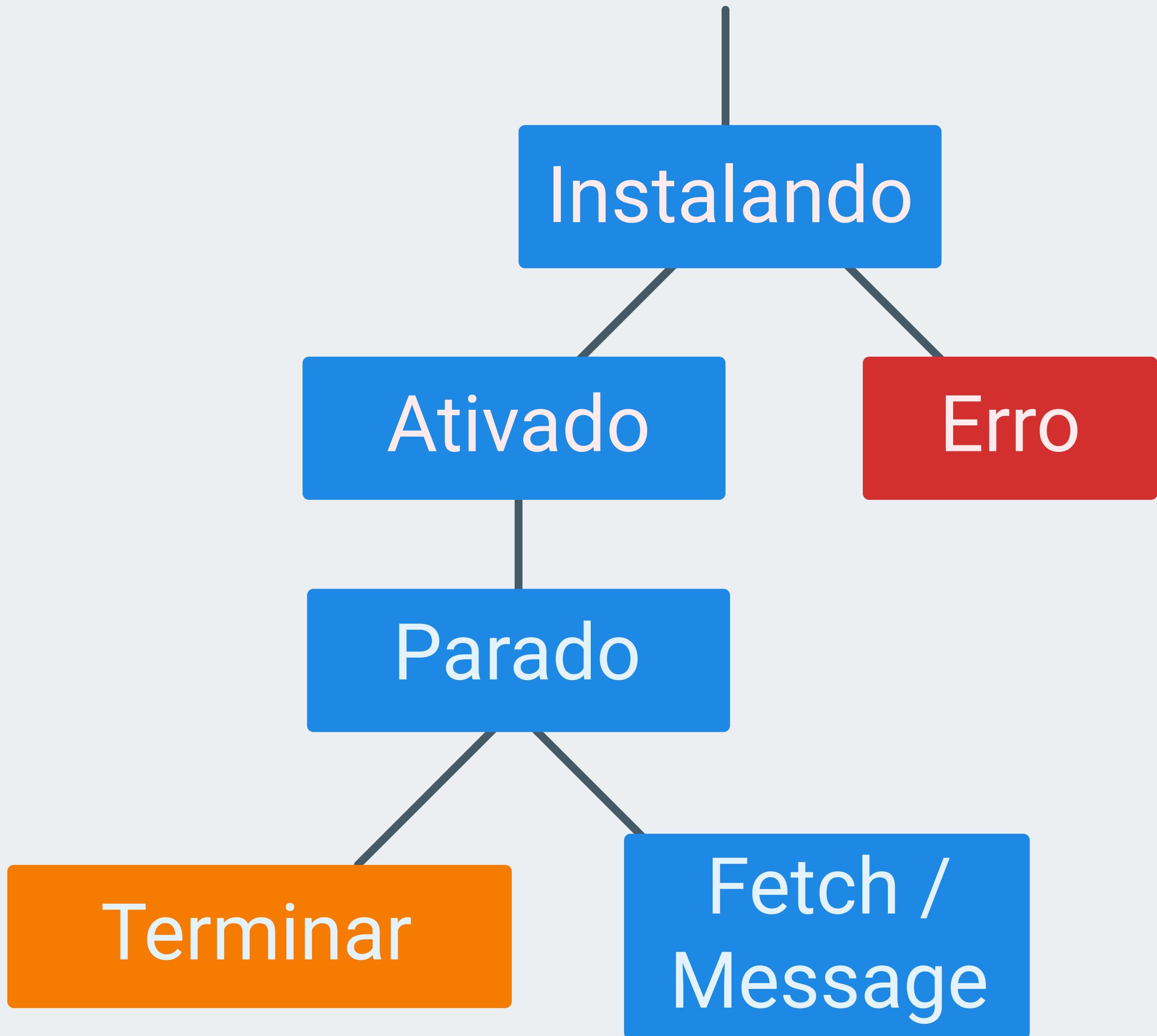
Sem Service Worker

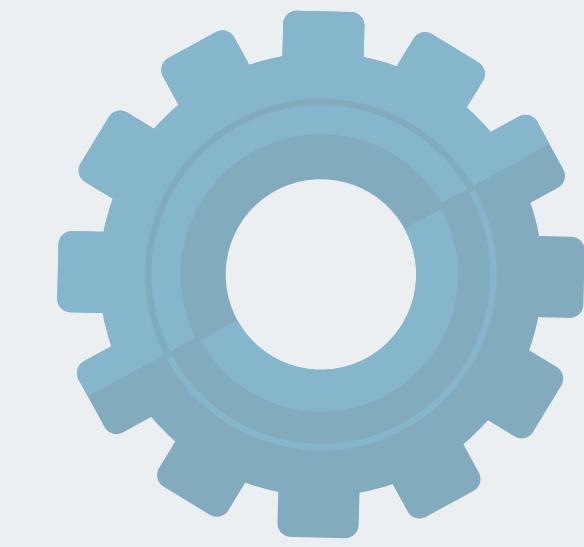
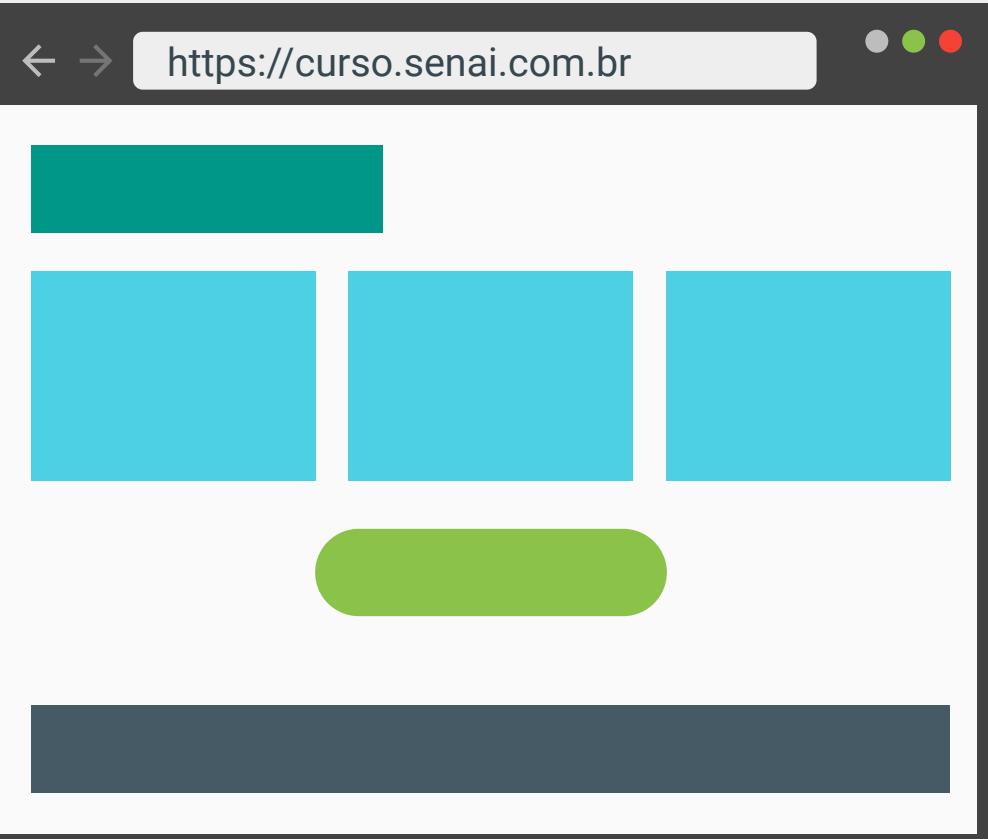


Sem Service Worker



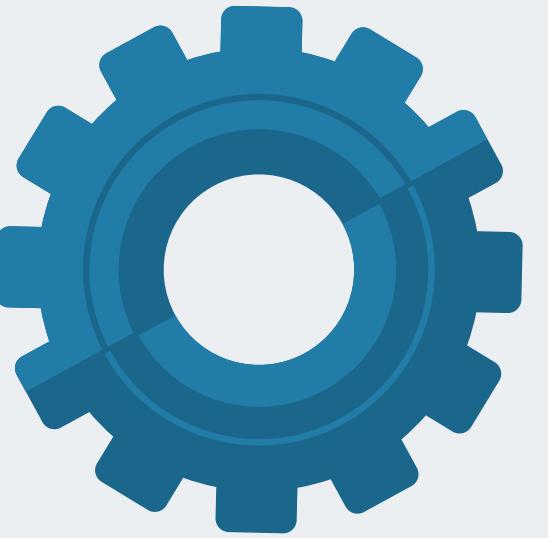
Sem Service Worker



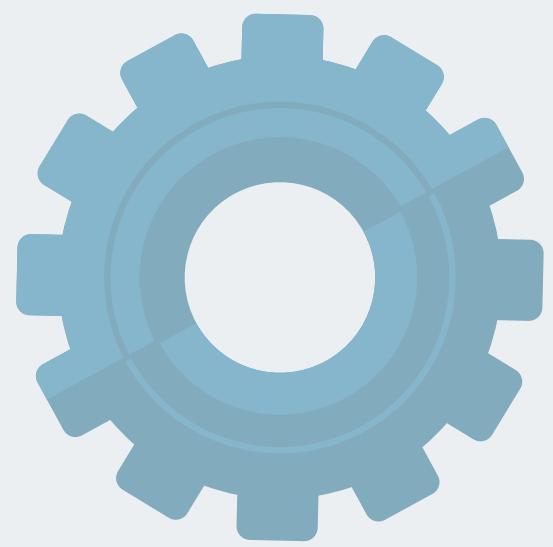


Service Worker
Instalado





Service Worker
Esperando



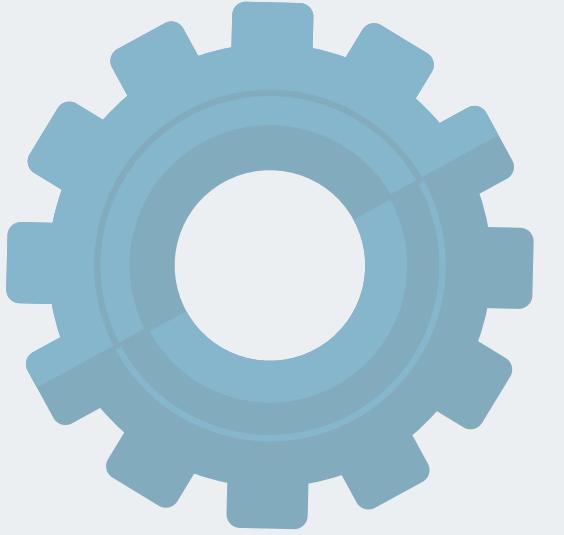
Service Worker
Instalado



Saí da página que usa o Service Worker



Service Worker
Esperando



Service Worker
Instalado

Novo Service Worker
entra em ação



Saí da página que usa o
Service Worker



Hora de Codar!

Eventos do Service Worker

Eventos do Service Worker

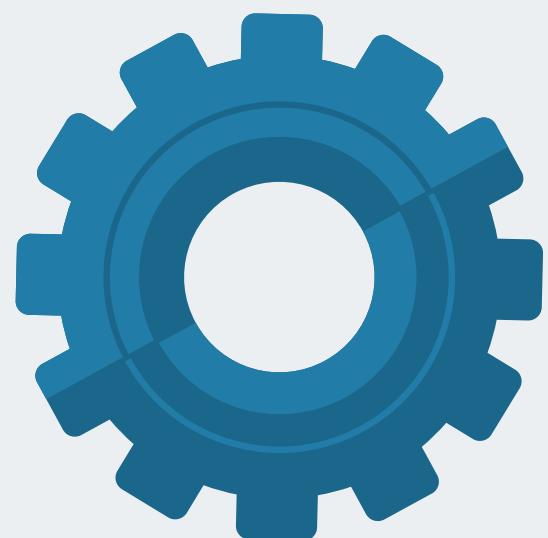
install
activate
fetch
message

Cache

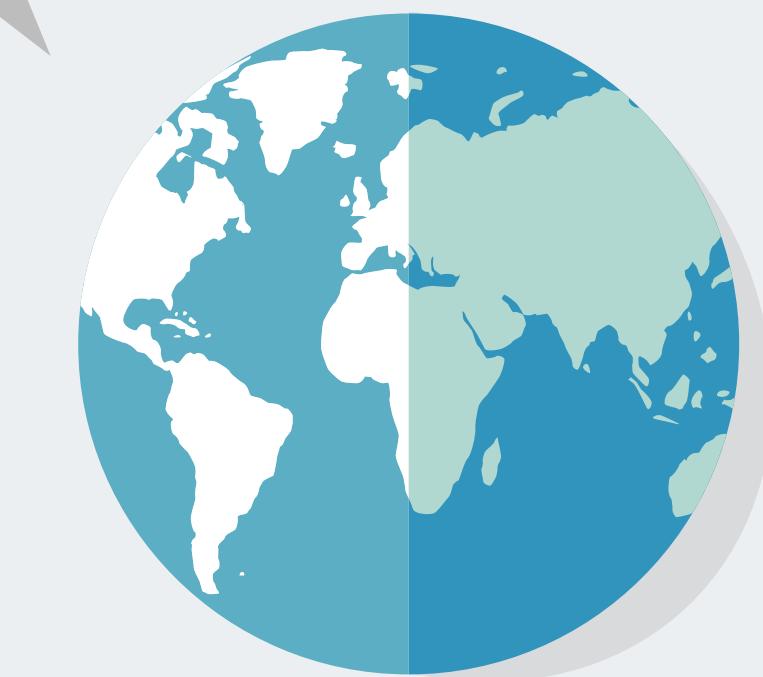


Mas quando
guardar cache?

Instalando Service Worker



Pede os arquivos



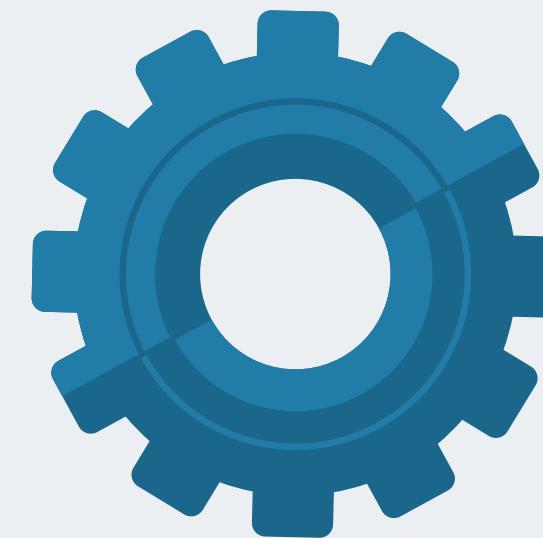
Instalando
Service Worker



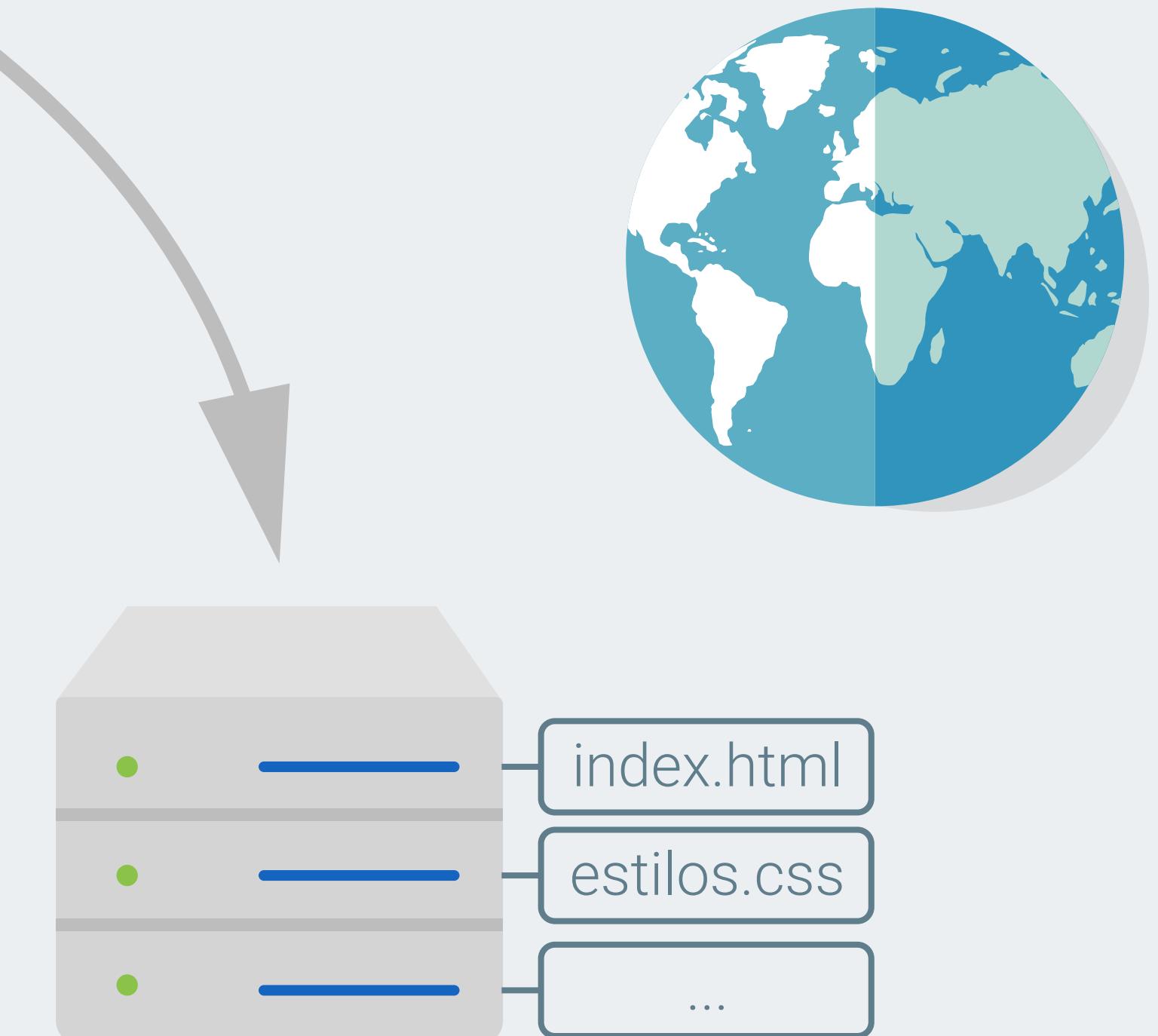
Servidor
devolve os arquivos



Instalando
Service Worker

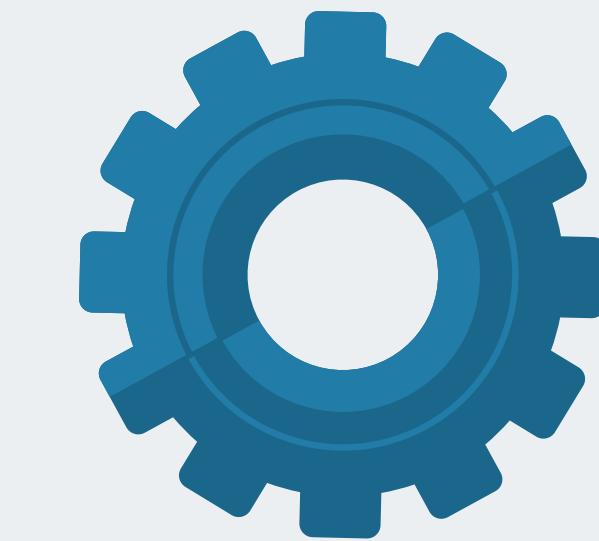


Guarda esses
arquivos no cache





Tranquilo e favorável



Service Worker
foi instalado :)



E o cache está pronto



Hora de Codar!

Cache dos arquivos do site



Firebase



Dúvidas?



Kevin Dantas
Developer Full-stack

Referências

<http://www.html5rocks.com/en/tutorials/service-worker/introduction>

https://developer.mozilla.org/en-US/docs/Web/API/Service_Worker_API

<https://developers.google.com/web/>

<https://github.com/slightlyoff/ServiceWorker/blob/master/explainer.md>

<https://www.w3.org/TR/service-workers/>