

# Getting Optimism RPC

## Gateway

To learn more about using the Lava Gateway visit the [Getting Started guide](#)

## SDK

### Input

- BackEnd
- FrontEnd

// Install lavaSDK with the following command: // npm i @lavanet/lava-sdk const

```
{
LavaSDK
}
=
require ( "@lavanet/lava-sdk" )
async
function
useoptimismMainnet ( )
{
const optimismMainnet =
await
LavaSDK . create ( { privateKey : process . env . PRIVATE_KEY ,
//hide your private key in an environmental variable chainIds :
'OPTM' , } ) ;
const optimismBlockResponse =
await optimismMainnet . sendRelay ( { method :
"eth_blockNumber" , params :
[ ] , } ) ;
console . log ( optimismBlockResponse ) ; }
( async
( )
=>
{ await
useoptimismMainnet ( ) ; } ) ( ) ; // Install lavaSDK with the following command: // npm i @lavanet/lava-sdk const
{
LavaSDK
```

```

}

=

require ( "@lavanet/lava-sdk" )

async

function

useoptimismMainnet ( )

{

const optimismMainnet =

await

LavaSDK . create ( { badge :

{ badgeServerAddress :

"https://badges.lavanet.xyz" ,

// Or your own Badge-Server URL projectId :

"enter_your_project_id_here" } , chainIds :

'OPTM' , } ) ;

const optimismBlockResponse =

await optimismMainnet . sendRelay ( { method :

"eth_blockNumber" , params :

[ ] , } ) ;

console . log ( optimismBlockResponse ) ; }

( async

( )

=>

{ await

useoptimismMainnet ( ) ; } ) ( ) ;

```

## Output

To learn more about our SDK visit the [Getting Started guide](#) [Edit this page](#) [Previous](#) [Optimism x Lava](#) [Next](#) [Running an Optimism RPC Node](#)