

# V1 Migration

Migration options exist for deployed LayerZero V1 applications looking to take advantage of LayerZero V2.

## Deployed Apps on Endpoint V1

If you have already deployed on Endpoint V1, migrating to the new LayerZero V2 protocol is entirely optional.

LayerZero V2 comes with enhancements to the core protocol design that increase message efficiency and customizability.

You can access the new [Security Stack](#) and [Independent Execution](#) by configuring your application's Message Library to Ultra Light Node 301.

With UltraLightNode301, your deployed LZApp on Endpoint V1 will be able to configure the new Security Stack for message authentication, as well as an Executor to ensure your application receives messages on the destination chain.

### Prerequisites

You should have an LZApp to start with that's already working with default settings. Any app that inherits LZApp.sol (including the Endpoint V1 OFT and ONFT standards) can be used.

### Configuring UltraLightNode301

To set a new MessageLib on Endpoint V1, you will call the `setConfig` function on Chain A and Chain B.

Below is a simple example for how to set your MessageLib:

```
// @dev function to set your LZApp's send MessageLib function
```

```
setSendVersion ( uint16 _version )
```

```
external override onlyOwner { IzEndpoint . setSendVersion ( _version ) ; }
```

```
// @dev function to set your LZApp's receive MessageLib function
```

```
setReceiveVersion ( uint16 _version )
```

`external override onlyOwner { IzEndpoint . setReceiveVersion ( _version ) ; }` After setting your libraries to the new UltraLightNode301, you can configure your LZApp using the Endpoint V1 `setConfig` function, passing the `configType` and `config` values for the specific [Security Stack](#) and [Executors](#).

With UltraLightNode301, your deployed LZApp on Endpoint V1 will be able to configure the new Security Stack for message authentication, as well as an Executor to ensure your application receives messages on the destination chain.

This enables a wider range of security configurations while simultaneously isolating network liveness from message execution.

See the full list of improvements for Deployed V1 Apps in the [V2 Overview](#).

## New Apps on Endpoint V2

For new applications deciding between Endpoint V1 and Endpoint V2, we recommend deploying exclusively with V2 Contracts to take advantage of on-chain specific benefits (i.e., higher message throughput, smaller contract sizes, gas optimization, and horizontal message composability).

You will need to deploy using the new [Contract Standards](#) on Endpoint V2.

These benefits specifically come from improvements in on-chain protocol and application related contracts. For your application to receive these specific benefits, you will need to deploy new OApps using these contracts. See the full overview in [New Protocol Contracts](#). [Edit this page](#)

[Previous V2 Overview](#) [Next Why LayerZero](#)