



Chainlink CCIP Fee-Handling Summary

When sending a cross-chain message (tokens, data, or both), CCIP charges a **single fee on the source chain**. This fee covers all execution costs on the destination chain.



Fee Formula

Total Fee = Blockchain Fee + Network Fee

◆ Fee Token

- Specified by the user in the CCIP message.
- Can be:
 - Native token (e.g., ETH, MATIC)
 - Wrapped token (e.g., WETH)
 - LINK token



Blockchain Fee

Covers gas costs for executing the message on the destination chain.

Blockchain Fee = Execution Cost + Data Availability Cost

Execution Cost:

Execution Cost = gas price × gas usage × gas multiplier

- **gas price:** Destination chain gas price
- **gas usage:**
 - gas usage = gas limit + destination gas overhead + destination gas per payload + gas for token transfers
 - **gas limit:** Set by user; unspent gas is NOT refunded
 - **destination gas overhead:** Fixed cost for CCIP DONs
 - **destination gas per payload:** Depends on message size (0 if no data)
 - **gas for token transfers:** Cost of sending tokens (0 if no tokens)

- **gas multiplier:** Smart Execution buffer to handle gas spikes

Data Availability Cost:

- Applies to L2 rollups (e.g., Optimism, Arbitrum)
- Covers cost of posting calldata to L1



Network Fee

Covers service fees for CCIP node operators:

- Committing DON
- Executing DON
- Risk Management Network (RMN)

Depends on:

- Bridging mechanism (mint/burn, lock/unlock)
- Whether the message includes tokens, data, or both

Use the `getFee()` function on the Router contract to preview the total fee.