

# IStargateRouter.sol

The primary interface to interact with Stargate. ```

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```
pragma solidity0.7.6; pragma abicoder v2;
```

```
interfaceIStargateRouter{ struct IzTxObj { uint256 dstGasForCall; uint256 dstNativeAmount; bytes dstNativeAddr; }
```

```
functionaddLiquidity( uint256 _poolId, uint256 _amountLD, address _to )external;
```

```
functionswap( uint16 _dstChainId, uint256 _srcPoolId, uint256 _dstPoolId, address payable _refundAddress, uint256 _amountLD, uint256 _minAmountLD, IzTxObj memory _IzTxParams, bytes calldata _to, bytes calldata _payload )externalpayable;
```

```
functionredeemRemote( uint16 _dstChainId, uint256 _srcPoolId, uint256 _dstPoolId, address payable _refundAddress, uint256 _amountLP, uint256 _minAmountLD, bytes calldata _to, IzTxObj memory _IzTxParams )externalpayable;
```

```
functioninstantRedeemLocal( uint16 _srcPoolId, uint256 _amountLP, address _to )externalreturns(uint256);
```

```
functionredeemLocal( uint16 _dstChainId, uint256 _srcPoolId, uint256 _dstPoolId, address payable _refundAddress, uint256 _amountLP, bytes calldata _to, IzTxObj memory _IzTxParams )externalpayable;
```

```
functionsendCredits( uint16 _dstChainId, uint256 _srcPoolId, uint256 _dstPoolId, address payable _refundAddress )externalpayable;
```

```
functionquoteLayerZeroFee( uint16 _dstChainId, uint8 _functionType, bytes calldata _toAddress, bytes calldata _transferAndCallPayload, IzTxObj memory _IzTxParams )externalviewreturns(uint256,uint256); }
```

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