

L2Encoder

Helper contract which has view methods to encode data that is passed to the L2Pool.

Methods

encodeSupplyParams

function encodeSupplyParams(address asset, uint256 amount, uint16 referralCode) external view returns (bytes32)

Returns bytes32 result to be passed to supply() method of L2Pool.

Param Name Type Description asset address address of the asset being supplied to the pool. amount uint256 amount of asset being supplied. referralCode uint16 unique code for 3rd party referral program integration. Use 0 for no referral.

encodeSupplyWithPermitParams

function encodeSupplyWithPermit(address asset, uint256 amount, uint16 referralCode, uint256 deadline, uint8 permitV, bytes32 permitR, bytes32 permitS) external view returns (bytes32, bytes32, bytes32)

Returns (bytes32, bytes32, bytes32) result to be passed to supplyWithPermit() method of L2Pool.

Permit signature must be signed by msg.sender with spender as Pool address.

Call Params

Name Type Description asset address Address of underlying asset being supplied. Same asset as used in permit s,v,r amount uint256 Amount of asset to be supplied and signed for approval. Same amount as used in permit s,v,r referralCode uint16 unique code for 3rd party referral program integration.

Use 0 for no referral. deadline uint256 unix timestamp up-till which signature will be valid permitV uint8 Signature parameter v permitR bytes32 Signature parameter r permitS bytes32 Signature parameter s

encodeWithdrawParams

function encodeWithdrawParams(address asset, uint256 amount) external view returns (bytes32)

Returns bytes32 result to be passed to withdraw() method of L2Pool.

Call Params

Name Type Description asset address address of the underlying asset, not the aToken amount uint256 amount deposited, expressed in wei units. Use type(uint).max to withdraw the entire balance.

encodeBorrowParams

function encodeBorrowParams(address asset, uint256 amount, uint256 interestRateMode, uint16 referralCode) external view returns (bytes32)

Returns bytes32 result to be passed to borrow() method of L2Pool.

Call Params

Name Type Description asset address address of the underlying asset amount uint256 amount to be borrowed, expressed in wei units interestRateMode uint256 the type of borrow debt.

Stable: 1, Variable: 2 referralCode uint16 referral code for our referral program. Use 0 for no referral code.

encodeRepayParams

function encodeRepayParams(address asset, uint256 amount, uint256 interestRateMode) external view returns (bytes32)

Returns bytes32 result to be passed to repay() method of L2Pool.

Call Params

Name Type Description asset address address of the underlying asset amount uint256 amount to be borrowed, expressed in wei units. Use uint(-1) to repay the entire debt, ONLY when the repayment is not executed on behalf of a 3rd party. In case of repayments on behalf of another user, it's recommended to send an _amount slightly higher than the current borrowed amount. interestRateMode uint256 the type of debt being repaid. Stable: 1, Variable: 2

encodeRepayWithPermitParams

function encodeRepayWithPermitParams(address asset, uint256 amount, uint256 interestRateMode, uint256 deadline, uint8 permitV, bytes32 permitR, bytes32 permitS)`` external view returns (bytes32, bytes32, bytes32)

Returns (bytes32, bytes32, bytes32) result to be passed to repayWithPermit() method of L2Pool.

Call Params

Name	Type	Description
asset	address	Address of underlying asset being supplied. Same asset as used in permit s,v,r
amount	uint256	Amount of asset to be supplied and signed for approval. Same amount as used in permit s,v,r
interestRateMode	uint256	the type of debt being repaid. Stable: 1, Variable: 2
deadline	uint256	unix timestamp up-till which signature will be valid
permitV	uint8	Signature parameter v
permitR	bytes32	Signature parameter r
permitS	bytes32	Signature parameter s

encodeRepayWithATokensParams

function encodeRepayWithATokensParams(address asset, uint256 amount, uint256 interestRateMode) external view returns (bytes32)

Returns bytes32 result to be passed to repay() method of L2Pool.

Call Params

Name	Type	Description
asset	address	address of the underlying asset
amount	uint256	amount to be borrowed, expressed in wei units. Use uint(-1) to repay the entire debt, ONLY when the repayment is not executed on behalf of a 3rd party. In case of repayments on behalf of another user, it's recommended to send an _amount slightly higher than the current borrowed amount.
interestRateMode	uint256	the type of debt being repaid. Stable: 1, Variable: 2

encodeSwapBorrowRateMode

function encodeSwapBorrowRateMode(address asset, uint256 rateMode) external view returns (bytes32)

Returns bytes32 result to be passed to swapBorrowRateMode() method of L2Pool.

Call Params

Name	Type	Description
asset	address	address of the underlying asset
rateMode	uint256	the rate mode the user is swapping from. Stable: 1, Variable: 2

encodeRebalanceStableBorrowRate

function encodeRebalanceStableBorrowRate(address asset, address user)`` external view returns (bytes32)

Returns bytes32 result to be passed to rebalanceStableBorrowRate() method of L2Pool.

Call Params

Name	Type	Description
asset	address	Address of the underlying token that has been borrowed for which the position is being rebalanced.
user	address	Address of the user being rebalanced.

encodeSetUserUseReserveAsCollateral

function encodeSetUserUseReserveAsCollateral(address asset, bool useAsCollateral) external view returns (bytes32)

Returns bytes32 result to be passed to setUserUseReserveAsCollateral() method of L2Pool.

Call Params

Name	Type	Description
asset	address	address of the underlying asset to be used as collateral
useAsCollateral	bool	true if the asset should be used as collateral

encodeLiquidationCall

function encodeLiquidationCall(address collateral, address debt, address user, uint256 debtToCover, bool receiveAToken) external view returns (bytes32, bytes32)

Returns (bytes32, bytes32) result to be passed to liquidationCall() method of L2Pool.

Call Params

Name	Type	Description
collateral	address	address of the collateral
debt	address	address of the debt
reserve	address	address of the debt reserve
user	address	address of the user

address address of the borrower debtToCover uint256 amount of asset debt that the liquidator will repay receiveAToken bool if true, the user receives the aTokens equivalent of the purchased collateral. If false, the user receives the underlying asset directly.

ABI

L2Encoder ABI ```

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