



Entries

supply

aave-v3-core/contracts/protocol/pool/pool.sol

SupplyLogic.executeSupply(

executeSupply

aave-v3-core/contracts/protocol/libraries/logic/SupplyLogic.sol

ValidationLogic.validateSupply(reserveCache, reserve, params.amount);

reserve.updateInterestRates(reserveCache, params.asset, params.amount, 0);

IERC20(params.asset).safeTransferFrom(msg.sender,

reserveCache.aTokenAddress, params.amount);

bool isFirstSupply = IAToken(reserveCache.aTokenAddress).mint(

ReserveLogic

updateInterestRates

aave-v3-core/contracts/protocol/libraries/logic/SupplyLogic.sol

vars.totalVariableDebt = reserveCache.nextScaledVariableDebt.rayMul(

IReserveInterestRateStrategy(reserve.interestRateStrategyAddress).calculateInt

erestRates(

reserve.currentLiquidityRate = vars.nextLiquidityRate.toUint128();

reserve.currentStableBorrowRate = vars.nextStableRate.toUint128();

reserve.currentVariableBorrowRate = vars.nextVariableRate.toUint128();

ReserveInterestRateStrategy

calculateInterestRates

aave-v3-core/contracts/protocol/pool/DefaultReserveIntersetRateStrategy.sol

vars.totalDebt = params.totalStableDebt + params.totalVariableDebt;

vars.currentVariableBorrowRate = _baseVariableBorrowRate;

vars.currentStableBorrowRate = getBaseStableBorrowRate();

if (vars.borrowUsageRatio > OPTIMAL_USAGE_RATIO) {

vars.currentVariableBorrowRate +=

vars.currentStableBorrowRate +=

_stableRateSlope1 +

stableRateSlope2.rayMul(excessBorrowUsageRatio);

} else {

vars.currentVariableBorrowRate +=

_variableRateSlope1.rayMul(vars.borrowUsageRatio).rayDiv{

vars.currentStableBorrowRate +=

_stableRateSlope1.rayMul(vars.borrowUsageRatio).rayDiv{

if (vars.stableToTotalDebtRatio > OPTIMAL_STABLE_TO_TOTAL_DEBT_RATIO) {

vars.currentStableBorrowRate +=

_stableRateExcessOffset.rayMul(excessStableDebtRatio);

vars.currentLiquidityRate = _getOverallBorrowRate(

_getOverallBorrowRate

aave-v3-core/contracts/protocol/pool/DefaultReserveIntersetRateStrategy.sol

uint256 totalDebt = totalStableDebt + totalVariableDebt;

uint256 weightedVariableRate =

totalVariableDebt.wadToRay().rayMul(currentVariableBorrowRate);

uint256 weightedStableRate =

totalStableDebt.wadToRay().rayMul(currentAverageStableBorrowRate);

uint256 overallBorrowRate = (weightedVariableRate +

weightedStableRate).rayDiv{

所有债务

总借款率 > 最佳比例

base_v+offset+v_slope1+v_slope2x过量费率(总借款)

v_slope1+offset+slope1+slope2x过量费率(总借款)

总借款率 < 最佳比例

base_v++slope1x借款率/最佳比例

v_slope1+offset++slope1x借款率/最佳比例

固定利率借款比例 > 最佳固定利率借款比例

+过量费率(固定利率借款)

变动利率加权

固定利率加权

(变动利率加权 + 固定利率加权)/所有债务