Perpetual Protocol Smart contract deployment

1. 13 smart contracts in total. All are upgradable contracts except **ChainlinkPriceFeedV2**
2. Contracts that can be deployed without any dependency injection

* ClearingHouseConfig()
* ChainlinkPriceFeedV2(AggregatorV3Interface aggregator, uint80 cacheTwapInterval)
  + aggregator: Price Feed Contract Addresses

Refer link below

<https://docs.chain.link/docs/data-feeds/price-feeds/addresses/>

I have used Goerli Testnet BTC / ETH.

<https://goerli.etherscan.io/address/0x779877A7B0D9E8603169DdbD7836e478b4624789>

We have to deploy several ChainlinkPriceFeedV2 contracts to get multiple Price Feed pairs.

Refer link below

<https://metadata.perp.exchange/v2/optimism.json>

* + cacheTwapInterval: const value for cache Twap Interval
* QuoteToken(string memory nameArg, string memory symbolArg)
  + ERC20 token arguments
* DelegateApproval()
* InsurfaceFund(address tokenArg)
  + tokenArg: Address of stable in chain network

I have set it USDC on Ethereum Goerli

Refer url below

<https://developers.circle.com/docs/usdc-on-testnet>

1. Deployment order based on dependency injection
   * BaseToken(string memory nameArg, string memory symbolArg, address priceFeedArg)
     1. priceFeedArg: Address of corresponding ChainlinkPriceFeedV2 contract address
   * MarketRegistry(address uniswapV3FactoryArg, address quoteTokenArg)
     1. uniswapV3FactoryArg: Address of UniswapV3Factory

Refer link below

<https://docs.uniswap.org/protocol/reference/deployments>

* + OrderBook(address marketRegistryArg)
  + AccountBalance(address clearingHouseConfigArg, address orderBookArg)
  + Exchange(address marketRegistryArg, address orderBookArg, address clearingHouseConfigArg)
  + Vault(address insuranceFundArg, address clearingHouseConfigArg, address accountBalanceArg, address exchangeArg)
  + CollateralManager(address clearingHouseConfigArg, address vaultArg, uint8 maxCollateralTokensPerAccountArg, uint24 debtNonSettlementTokenValueRatioArg, uint24 liquidationRatioArg, uint24 mmRatioBufferArg, uint24 clInsuranceFundFeeRatioArg, uint256 debtThresholdArg, uint256 collateralValueDustArg)
  + ClearingHouse(address clearingHouseConfigArg, address vaultArg, address quoteTokenArg, address uniV3FactoryArg, address exchangeArg, address accountBalanceArg, address insuranceFundArg)