Perpetual Protocol Smart contract deployment

- 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/0x779877A7B0D9E8603 169DdbD7836e478b4624789

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
- 3. Deployment order based on dependency injection
 - BaseToken(string memory nameArg, string memory symbolArg, address priceFeedArg)

- i. priceFeedArg: Address of corresponding ChainlinkPriceFeedV2 contract address
- MarketRegistry(address uniswapV3FactoryArg, address quoteTokenArg)
 - i. uniswapV3FactoryArg: Address of UniswapV3Factory

Refer link below https://docs.uniswap.org/protocol/reference/dep lovments

- OrderBook(address marketRegistryArg)
- AccountBalance(address clearingHouseConfigArg, address orderBookArg)
- Exchange(address marketRegistryArg, address orderBookArg, address clearingHouseConfigArg)
- Vault(address insuranceFundArg, address clearingHouseConfigArg, address accountBalanceArg, address exchangeArg)
- O 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)