

Secret Network v1.4 (CosmWasm 1.0)

CosmWasm 1.0 Breaking Changes

Address API Changes

- HumanAddr
- has been deprecated in favour of simplyString
- . It never added any significant safety bonus overString
- and was just a marker type. The new typeAddr
- was created to hold validated addresses. Those can be created viaAddr::unchecked
- .Api::addr_validate
- .Api::addr_humanize
- and JSON deserialization. In order to maintain type safety, deserialization intoAddr
- must only be done from trusted sources like a contract's state or a query response. User inputs must be deserialized intoString
- .
- deps.api.human_address(&CanonicalAddr)
- =>deps.api.addr_humanize(&CanonicalAddr)
- deps.api.canonical_address(&HumanAddr)
- =>deps.api.addr_canonicalize(&str)
- .

Extern Method Interface Changes

Use the new entry point system. From lib.rs remove

...

Copy

[cfg(target_arch="wasm32")]

```
cosmwasm_std::create_entry_points!(contract);
```

// or

[cfg(target_arch="wasm32")]

```
cosmwasm_std::create_entry_points_with_migration!(contract);
```

...

Then add the macro attribute#[cfg_attr(not(feature = "library"), entry_point)] to your contract.rs as follows:

- init
- .
- ◦ Env
- .
- ◦ split intoEnv
- .
- ◦ andMessageInfo
- .
- ◦ InitResponse
- .
- ◦ andInitResult
- .
- ◦ deprecated, please useResponse
- .
- ◦ function name changed frominit
- .
- ◦ toinstantiate
- *
- .

...

```
Copy pubfninit( deps:&mutExtern, env:Env, msg:InitMsg, )->StdResult {
```

// into

[cfg_attr(not(feature="library"), entry_point)]

```
pubfninstantiate( deps:DepsMut, env:Env, info:MessageInfo, msg:InstantiateMsg, )->StdResult {
```

...

- handle
- .

```

    • Env
  •
    • split intoEnv
  •
    • andMessageInfo
  •
    • HandleResponse
  •
    • andHandleResult
  •
    • deprecated, please useResponse
  •
    • function name changed fromhandle
  •
    • toexecute
  • *
  •
  ...

```

```

Copy pubfnhandle( deps:&mutExtern, env:Env, msg:HandleMsg, )->HandleResult{
// into

```

[cfg_attr(not(feature="library"), entry_point)]

```

pubfnexecute(deps:DepsMut, env:Env, info:MessageInfo, msg:ExecuteMsg)->StdResult {
...

  • query
  •
    • new argumentEnv
  •
    • added
  • *
  •
  ...

```

```

Copy pubfnquery( deps:&Extern, msg:QueryMsg, )->StdResult {
// into

```

[cfg_attr(not(feature="library"), entry_point)]

```

pubfnquery(deps:Deps, _env:Env, msg:QueryMsg)->StdResult {
...

  • migrate
  •
    • Env
  •
    • split intoEnv
  •
    • andMessageInfo
  •
    • MigrateResponse
  •
    • andMigrateResult
  •
    • deprecated, please useResponse
  • *
  •
  ...

```

```

Copy pubfnmigrate( deps:&mutExtern, env:Env, msg:MigrateMsg, )->MigrateResult{
// into

```

[cfg_attr(not(feature="library"), entry_point)]

```

pubfnmigrate(_deps:DepsMut, _env:Env, _msg:MigrateMsg)->StdResult {
...

```

Response no longer be built using a structure literal

This is a step toward better API stability.

```
-Ok(Response{ -messages:vec![SubMsg::new(send)], -attributes:vec![attr("action","burn"),attr("payout", msg.payout)], -events:vec![], -data:Some(data_msg.into()), -}) +Ok(Response::new() +.add_message(send) +.add_attribute("action","burn") +.add_attribute("payout", msg.payout) +.set_data(data_msg))
```

```
Copy => `` &mutExtern=>DepsMut &Extern=>Deps &mutdeps.storage=>deps.storagewherepassing into state.rs helpers
&deps.storage=>deps.storagewherepassing into state.rs helpers Onthe top, removeusecosmwasm_std::
{Api,Extern,Querier,Storage}.Addusecosmwasm_std::{Deps,DepsMut}.
```

- `cowmasm_storage::Singleton`
- `->cw_stroage_plus::Item`
- - `Removeread_*`
 - `andstore_*`
 - `functions`
 - `Defineltem`
 - `as following (must prepend the length of key)`
 - ...
- `Copy`
- `pub const CONFIG: Item = Item::new("\u{0}\u{6}config");`
- `// store`
- `CONFIG.save(deps.storage, &config)?;`
- `// read`

- let mut config: Config = CONFIG.load(deps.storage)?;
- ...
- cosmwasm_storage::Bucket
- -> cw_storage_plus::Map
- - Remove read_*
- - and store_*
- - functions
- - DefineMap
- - as following
- - ...
- Copy
- pub const PAIRS: Map = Map::new("pair_info");
- // store
- PAIRS.save(deps.storage, &addr, &pair_info)?;
- // read
- let pair_info: PairInfoRaw = PAIRS.load(deps.storage, &addr)?;
- ...
-

Raw Querier migration

The core now just returns raw bytes without json encoding, so we can receive the query response as what the data was stored.

...

```
Copy -let res: Binary = deps.querier.query(&QueryRequest::Wasm(WasmQuery::Raw{ ... -let pair_info: PairInfoRaw = from_binary(&res)?;
```

```
// into
```

```
+let pair_info: PairInfoRaw = deps.querier.query(&QueryRequest::Wasm(WasmQuery::Raw{ ...
```

...

Also, mock_querier has to remove oneto_binary from its raw query response.

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