

# Gateway Contract IDL

The latest IDL for the Solana Gateway contract on version0.2.3 is the following:

...

```
Copy { "address": "DKDX8XbTnCGEk8o1RNnCUokiCmadG1Ch5HLxaz7CnhcD", "metadata": { "name": "solana_gateway",
"version": "0.2.3", "spec": "0.1.0", "description": "Solana Secretpath Gateway" }, "instructions": [ { "name": "callback_test",
"discriminator": [ 196, 61, 185, 224, 30, 229, 25, 52 ], "accounts": [ { "name": "secretpath_gateway", "signer": true }, { "name": "task_id", "type": "u64" }, { "name": "result", "type": "bytes" } ], { "name": "increase_task_id", "discriminator": [ 152, 150,
176, 36, 239, 171, 169, 20 ], "accounts": [ { "name": "gateway_state", "writable": true, "pda": { "seeds": [ { "kind": "const", "value": [ 103, 97, 116, 101, 119, 97, 121, 95, 115, 116, 97, 116, 101 ] } ] }, { "name": "owner", "writable": true, "signer": true,
"relations": [ "gateway_state" ] }, { "name": "new_task_id", "type": "u64" }, { "name": "increase_task_state",
"discriminator": [ 116, 13, 66, 131, 160, 82, 206, 223 ], "accounts": [ { "name": "gateway_state", "pda": { "seeds": [ {
"kind": "const", "value": [ 103, 97, 116, 101, 119, 97, 121, 95, 115, 116, 97, 116, 101 ] } ] }, { "name": "task_state",
"writable": true, "pda": { "seeds": [ { "kind": "const", "value": [ 116, 97, 115, 107, 95, 115, 116, 97, 116, 101 ] } ] }, {
"name": "owner", "writable": true, "signer": true, "relations": [ "gateway_state" ] }, { "name": "system_program",
"address": "11111111111111111111111111111111" }, { "name": "_len", "type": "u64" } ], { "name": "initialize",
"discriminator": [ 175, 175, 109, 31, 13, 152, 155, 237 ], "accounts": [ { "name": "gateway_state", "writable": true, "pda": {
"seeds": [ { "kind": "const", "value": [ 103, 97, 116, 101, 119, 97, 121, 95, 115, 116, 97, 116, 101 ] } ] }, { "name": "task_state",
"writable": true, "pda": { "seeds": [ { "kind": "const", "value": [ 116, 97, 115, 107, 95, 115, 116, 97, 116, 101 ] } ] }, {
"name": "owner", "writable": true, "signer": true }, { "name": "system_program",
"address": "11111111111111111111111111111111" }, { "name": "payout_balance", "discriminator": [ 55, 151, 80,
201, 126, 222, 40, 200 ], "accounts": [ { "name": "gateway_state", "writable": true, "pda": { "seeds": [ { "kind": "const", "value": [
103, 97, 116, 101, 119, 97, 121, 95, 115, 116, 97, 116, 101 ] } ] }, { "name": "owner", "writable": true, "signer": true,
"relations": [ "gateway_state" ] }, { "name": "system_program", "address": "11111111111111111111111111111111" }, { "name": "post_execution", "discriminator": [ 52, 46, 67, 194, 153, 197, 69, 168 ], "accounts": [ { "name": "gateway_state",
"pda": { "seeds": [ { "kind": "const", "value": [ 103, 97, 116, 101, 119, 97, 121, 95, 115, 116, 97, 116, 101 ] } ] }, {
"name": "task_state", "writable": true, "pda": { "seeds": [ { "kind": "const", "value": [ 116, 97, 115, 107, 95, 115, 116, 97, 116, 101
] } ] }, { "name": "signer", "writable": true, "signer": true }, { "name": "system_program",
"address": "11111111111111111111111111111111" }, { "name": "task_id", "type": "u64" }, {
"name": "source_network", "type": "string" }, { "name": "post_execution_info", "type": { "defined": { "name": "PostExecuteInfo" } }
} ], { "name": "send", "discriminator": [ 102, 251, 20, 187, 65, 75, 12, 69 ], "accounts": [ { "name": "gateway_state",
"writable": true, "pda": { "seeds": [ { "kind": "const", "value": [ 103, 97, 116, 101, 119, 97, 121, 95, 115, 116, 97, 116, 101 ] } ] },
{ "name": "task_state", "writable": true, "pda": { "seeds": [ { "kind": "const", "value": [ 116, 97, 115, 107, 95, 115, 116, 97, 116, 101
] } ] }, { "name": "user", "writable": true, "signer": true }, { "name": "system_program",
"address": "11111111111111111111111111111111" }, { "name": "user_address", "type": "pubkey" }, {
"name": "routing_info", "type": "string" }, { "name": "execution_info", "type": { "defined": { "name": "ExecutionInfo" } } } ], "returns": {
"defined": { "name": "SendResponse" } } ], "accounts": [ { "name": "GatewayState", "discriminator": [ 133, 203, 164, 159, 234,
201, 161, 186 ] }, { "name": "TaskState", "discriminator": [ 255, 33, 48, 249, 220, 80, 10, 9 ] }, { "code": 6000, "name": "TaskAlreadyCompleted", "msg": "Task already completed" }, { "code": 6001, "name": "InvalidPayloadHash",
"msg": "Invalid payload hash" }, { "code": 6002, "name": "InvalidPacketHash", "msg": "Invalid packet hash" }, { "code": 6003,
"name": "InvalidPublicKey", "msg": "Invalid Public key" }, { "code": 6004, "name": "Secp256k1RecoverFailure",
"msg": "Secp256k1 recovery failed" }, { "code": 6005, "name": "InvalidPacketSignature", "msg": "Invalid packet signature" }, {
"code": 6006, "name": "TaskNotFound", "msg": "Task not found" }, { "code": 6007, "name": "InsufficientFunds",
"msg": "Insufficient funds" }, { "code": 6008, "name": "InvalidIndex", "msg": "Invalid lookup index" }, { "code": 6009,
"name": "InvalidTaskId", "msg": "Invalid TaskID" }, { "code": 6010, "name": "InvalidCallbackAddresses", "msg": "Callback
Addresses are invalid" }, { "code": 6011, "name": "BorshDataSerializationFailed", "msg": "Borsh Data Serialization failed" }, {
"code": 6012, "name": "InvalidCallbackSelector", "msg": "Invalid Callback Selector" }, { "code": 6013,
"name": "MissingRequiredSignature", "msg": "Missing Required Signature" }, { "types": [ { "name": "ExecutionInfo", "type": {
"kind": "struct", "fields": [ { "name": "user_key", "type": "bytes" }, { "name": "user_pubkey", "type": "bytes" }, {
"name": "routing_code_hash", "type": "string" }, { "name": "task_destination_network", "type": "string" }, { "name": "handle",
"type": "string" }, { "name": "nonce", "type": { "array": [ "u8", 12 ] } }, { "name": "callback_gas_limit", "type": "u32" }, {
"name": "payload", "type": "bytes" }, { "name": "payload_signature", "type": { "array": [ "u8", 64 ] } } ] }, {
"name": "GatewayState", "type": { "kind": "struct", "fields": [ { "name": "owner", "type": "pubkey" }, { "name": "task_id", "type": "u64"
}, { "name": "bump", "type": "u8" } ] }, { "name": "PostExecuteInfo", "type": { "kind": "struct", "fields": [ { "name": "packet_hash",
"type": { "array": [ "u8", 32 ] } }, { "name": "callback_address", "type": "bytes" }, { "name": "callback_selector", "type": "bytes" }, {
"name": "callback_gas_limit", "type": { "array": [ "u8", 4 ] } }, { "name": "packet_signature", "type": { "array": [ "u8", 65 ] } }, {
"name": "result", "type": "bytes" } ] }, { "name": "SendResponse", "type": { "kind": "struct", "fields": [ { "name": "request_id",
"type": "u64" } ] }, { "name": "TaskState", "serialization": "bytemuckunsafe", "repr": { "kind": "c" }, "type": { "kind": "struct", "fields": [
"name": "tasks", "type": { "array": [ "u8", 296900 ] } ] } ] } ] }
```

... [Previous Solana Mainnet & Testnet Next Secret Network Overview](#) Last updated 3 months ago