

Returns the contract class definition of the specified contract class hash in the specified block.

## Parameters

- ## Returns

- `abi`
- : The class ABI, as supplied by the user declaring the class.
- `contract_class_version`
- : The version of the contract class object.
- `entry_points_by_type`
- : Entry points by type.
- `sierra_program`
- : The list of Sierra instructions of which the program consists.

## Example

## Request

- ```
curl https://starknet-mainnet.infura.io/v3/YOUR-API-KEY \-X POST \-H "Content-Type: application/json" \-d '{ "jsonrpc": "2.0", "method": "starknet_getClass", "params": { "block_id": { "block_hash": "0x041b10c45dc3f39372f7b9409261cac9d880c5d75a5bb077d028db20b1bd76c4" }, "class_hash": "0x515dd668a1798214e7ca9ec90c52e267229b8104fb296a90f20b6f70baae53" }, "id": 0 }'
```

## Response

- ```
{ "jsonrpc": "2.0", "id": 0, "result": { "abi": "[{"type": "impl", "name": "ISTARKSImpl", "interface_name": "ins:ins:ISTARKS"}, {"type": "interface", "name": "ins:ins:ISTARKS", "items": [{"type": "function", "name": "get_total_supply", "inputs": [{"name": "tick", "type": "core:felt252"}], "outputs": [{"type": "core:integer::u128"}], "state_mutability": "view"}, {"type": "function", "name": "get_max_supply", "inputs": [{"name": "tick", "type": "core:felt252"}], "outputs": [{"type": "core:integer::u128"}], "state_mutability": "view"}, {"type": "function", "name": "balance_of", "inputs": [{"name": "tick", "type": "core:felt252"}, {"name": "account", "type": "core:starknet::contract_address::ContractAddress"}], "outputs": [{"type": "core:integer::u128"}], "state_mutability": "view"}, {"type": "function", "name": "allowance", "inputs": [{"name": "tick", "type": "core:felt252"}, {"name": "owner", "type": "core:starknet::contract_address::ContractAddress"}, {"name": "spender", "type": "core:starknet::contract_address::ContractAddress"}], "outputs": [{"type": "core:integer::u128"}], "state_mutability":
```

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"view"}, {"type": "function", "name": "get_holders", "inputs": [{"name": "tick", "type": "core::felt252"}], "outputs": [{"type": "core::integer::u128"}], "state_mutability": "view"}, {"type": "function", "name": "transfer", "inputs": [{"name": "tick", "type": "core::felt252"}, {"name": "recipient", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "amount", "type": "core::integer::u128"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "transfer_from", "inputs": [{"name": "tick", "type": "core::felt252"}, {"name": "sender", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "recipient", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "amount", "type": "core::integer::u128"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "approve", "inputs": [{"name": "tick", "type": "core::felt252"}, {"name": "spender", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "amount", "type": "core::integer::u128"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "increase_allowance", "inputs": [{"name": "tick", "type": "core::felt252"}, {"name": "spender", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "added_value", "type": "core::integer::u128"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "decrease_allowance", "inputs": [{"name": "tick", "type": "core::felt252"}, {"name": "spender", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "subtracted_value", "type": "core::integer::u128"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "Inscribe", "inputs": [{"name": "tick", "type": "core::felt252"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "Deploy", "inputs": [{"name": "tick", "type": "core::felt252"}, {"name": "maxSupply", "type": "core::integer::u128"}, {"name": "maxPerMint", "type": "core::integer::u128"}], "outputs": [], "state_mutability": "external"}, {"type": "function", "name": "get_tick_counter", "inputs": [], "outputs": [{"type": "core::integer::u128"}], "state_mutability": "view"}, {"type": "function", "name": "get_ticks", "inputs": [], "outputs": [{"type": "core::array::Array::\u003ccore::integer::u128\u003e"}], "state_mutability": "view"}, {"type": "constructor", "name": "constructor", "inputs": [{"name": "_admin", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "_ff", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "_eth", "type": "core::starknet::contract_address::ContractAddress"}, {"name": "_firstTick", "type": "core::felt252"}, {"name": "_firstTickSupply", "type": "core::integer::u128"}, {"name": "_firstTickPerMint", "type": "core::integer::u128"}], "type": "event", "name": "ins::ins::STARKS::Transfer", "kind": "struct", "members": [{"name": "tick", "type": "core::felt252", "kind": "data"}, {"name": "from", "type": "core::starknet::contract_address::ContractAddress", "kind": "data"}, {"name": "to", "type": "core::starknet::contract_address::ContractAddress", "kind": "data"}, {"name": "value", "type": "core::integer::u128", "kind": "data"}], "type": "event", "name": "ins::ins::STARKS::Approval", "kind": "struct", "members": [{"name": "tick", "type": "core::felt252", "kind": "data"}, {"name": "owner", "type": "core::starknet::contract_address::ContractAddress", "kind": "data"}, {"name": "spender", "type": "core::starknet::contract_address::ContractAddress", "kind": "data"}, {"name": "value", "type": "core::integer::u128", "kind": "data"}], "type": "event", "name": "ins::ins::STARKS::Deploy", "kind": "struct", "members": [{"name": "tick", "type": "core::felt252", "kind": "data"}, {"name": "maxSupply", "type": "core::integer::u128", "kind": "data"}, {"name": "maxPerMint", "type": "core::integer::u128", "kind": "data"}], "type": "event", "name": "ins::ins::STARKS::Event", "kind": "enum", "variants": [{"name": "Transfer", "type": "ins::ins::STARKS::Transfer", "kind": "nested"}, {"name": "Approval", "type": "ins::ins::STARKS::Approval", "kind": "nested"}, {"name": "Deploy", "type": "ins::ins::STARKS::Deploy", "kind": "nested"}], "contract_class_version": "0.1.0", "entry_points_by_type": {"CONSTRUCTOR": [{"function_idx": 14, "selector": "0x28ffe4ff0f226a9107253e17a904099aa4f63a02a5621de0576e5aa71bc5194"}], "EXTERNAL": [{"function_idx": 11, "selector": "0x14dfa38c36b389189b8be0b1d3f9434ffcca49bf1a88f3658579d23d16368f"}, {"function_idx": 10, "selector": "0x1fd12fd4580400368d8953eca1bf472ee233e7e06245d1ef8c176ff12bd3c4"}, ...], "L1_HANDLER": [], "sierra_program": ["0x1", "0x3", "0x0", "0x361", "0x8000000000000000700000000000000000000000000000000000000000000000", "0x537472756374", ...]}

```

Last updated on May 9, 2024 [Previous starknet\\_getBlockWithTxs](#) [Next starknet\\_getClassAt](#)