

# Gateway Contract ABI

The ABI for the Gateway contract on version0.2.2 is the following:

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Copy [{"type":"constructor","inputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"VRF_routing_code_hash","inputs":[],"outputs":
[{"name":"","type":"string","internalType":"string"}],"stateMutability":"view"},
{"type":"function","name":"VRF_routing_info","inputs":[],"outputs":
[{"name":"","type":"string","internalType":"string"}],"stateMutability":"view"},
{"type":"function","name":"increaseTaskId","inputs":
[{"name":"_newTaskId","type":"uint256","internalType":"uint256"}],"outputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"initialize","inputs":[],"outputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"owner","inputs":[],"outputs":
[{"name":"","type":"address","internalType":"address"}],"stateMutability":"view"},
{"type":"function","name":"payoutBalance","inputs":[],"outputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"postExecution","inputs":[{"name":"_taskId","type":"uint256","internalType":"uint256"},
{"name":"_sourceNetwork","type":"string","internalType":"string"},{"name":"_info","type":"tuple","internalType":"struct
Gateway.PostExecutionInfo","components":[{"name":"payload_hash","type":"bytes32","internalType":"bytes32"},
{"name":"packet_hash","type":"bytes32","internalType":"bytes32"},
{"name":"callback_address","type":"bytes20","internalType":"bytes20"},
{"name":"callback_selector","type":"bytes4","internalType":"bytes4"},
{"name":"callback_gas_limit","type":"bytes4","internalType":"bytes4"},
{"name":"packet_signature","type":"bytes","internalType":"bytes"},
{"name":"result","type":"bytes","internalType":"bytes"}]}],"outputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"renounceOwnership","inputs":[],"outputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"requestRandomness","inputs":[{"name":"_numWords","type":"uint32","internalType":"uint32"},
{"name":"_callbackGasLimit","type":"uint32","internalType":"uint32"}],"outputs":
[{"name":"requestId","type":"uint256","internalType":"uint256"}],"stateMutability":"payable"},
{"type":"function","name":"secret_gateway_signer_address","inputs":[],"outputs":
[{"name":"","type":"address","internalType":"address"}],"stateMutability":"view"},{"type":"function","name":"send","inputs":
[{"name":"_payloadHash","type":"bytes32","internalType":"bytes32"},
{"name":"_userAddress","type":"address","internalType":"address"},
{"name":"_routingInfo","type":"string","internalType":"string"},{"name":"_info","type":"tuple","internalType":"struct
Gateway.ExecutionInfo","components":[{"name":"user_key","type":"bytes","internalType":"bytes"},
{"name":"user_pubkey","type":"bytes","internalType":"bytes"},
{"name":"routing_code_hash","type":"string","internalType":"string"},
{"name":"task_destination_network","type":"string","internalType":"string"},
{"name":"handle","type":"string","internalType":"string"},{"name":"nonce","type":"bytes12","internalType":"bytes12"},
{"name":"callback_gas_limit","type":"uint32","internalType":"uint32"},{"name":"payload","type":"bytes","internalType":"bytes"},
{"name":"payload_signature","type":"bytes","internalType":"bytes"}]}],"outputs":
[{"name":"_taskId","type":"uint256","internalType":"uint256"}],"stateMutability":"payable"},
{"type":"function","name":"taskId","inputs":[],"outputs":
[{"name":"","type":"uint256","internalType":"uint256"}],"stateMutability":"view"},
{"type":"function","name":"task_destination_network","inputs":[],"outputs":
[{"name":"","type":"string","internalType":"string"}],"stateMutability":"view"},{"type":"function","name":"tasks","inputs":
[{"name":"","type":"uint256","internalType":"uint256"}],"outputs":
[{"name":"payload_hash_reduced","type":"bytes31","internalType":"bytes31"},
{"name":"completed","type":"bool","internalType":"bool"}],"stateMutability":"view"},
{"type":"function","name":"transferOwnership","inputs":
[{"name":"newOwner","type":"address","internalType":"address"}],"outputs":[],"stateMutability":"nonpayable"},
{"type":"function","name":"upgradeHandler","inputs":[],"outputs":[],"stateMutability":"nonpayable"},
{"type":"event","name":"FulfilledRandomWords","inputs":
[{"name":"requestId","type":"uint256","indexed":true,"internalType":"uint256"},"anonymous":false},
{"type":"event","name":"Initialized","inputs":
[{"name":"version","type":"uint64","indexed":false,"internalType":"uint64"},"anonymous":false},
{"type":"event","name":"OwnershipTransferred","inputs":
[{"name":"previousOwner","type":"address","indexed":true,"internalType":"address"},
{"name":"newOwner","type":"address","indexed":true,"internalType":"address"}],"anonymous":false},
{"type":"event","name":"TaskCompleted","inputs":[{"name":"taskId","type":"uint256","indexed":true,"internalType":"uint256"},
{"name":"callbackSuccessful","type":"bool","indexed":false,"internalType":"bool"}],"anonymous":false},
{"type":"event","name":"logNewTask","inputs":[{"name":"task_id","type":"uint256","indexed":true,"internalType":"uint256"},
{"name":"source_network","type":"string","indexed":false,"internalType":"string"},
{"name":"user_address","type":"address","indexed":false,"internalType":"address"},
{"name":"routing_info","type":"string","indexed":false,"internalType":"string"},
{"name":"payload_hash","type":"bytes32","indexed":false,"internalType":"bytes32"},
{"name":"info","type":"tuple","indexed":false,"internalType":"struct Gateway.ExecutionInfo","components":
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[{"name":"user_key","type":"bytes","internalType":"bytes"}, {"name":"user_pubkey","type":"bytes","internalType":"bytes"}, {"name":"routing_code_hash","type":"string","internalType":"string"}, {"name":"task_destination_network","type":"string","internalType":"string"}, {"name":"handle","type":"string","internalType":"string"}, {"name":"nonce","type":"bytes12","internalType":"bytes12"}, {"name":"callback_gas_limit","type":"uint32","internalType":"uint32"}, {"name":"payload","type":"bytes","internalType":"bytes"}, {"name":"payload_signature","type":"bytes","internalType":"bytes"}], "anonymous":false, {"type":"error","name":"InvalidInitialization","inputs":[]}, {"type":"error","name":"NotInitializing","inputs":[]}, {"type":"error","name":"OwnableInvalidOwner","inputs":[{"name":"owner","type":"address","internalType":"address"}]}, {"type":"error","name":"OwnableUnauthorizedAccount","inputs":[{"name":"account","type":"address","internalType":"address"}]}
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