Test Cases Tezos API

Function	Test Case	Automated	Manually Tested
get_puk_from_alias	TC get_puk_from_alias		Yes
get_puk_from_hash	TC get_puk_from_hash		Yes
get_pukh_from_alias	TC get_pukh_from_alias		Yes
get_contract	TC get_contract		Yes
transfer	TC transfer		Yes
query	TC query		Partially
get_balance	TC get_balance		Yes
call_contract	TC call_contract		Partially
tez	TC tez		Yes

Test Cases get_puk_from_alias

Input	**Expected output**
existent alias	<public key>
Non-existent alias	Keys_not_found error
Wrong base dir	Keys_not_found error

Test Cases get_puk_from_hash

Input	**Expected output**
valid hash of local wallet	<public key>
hash of non-local wallet	Keys_not_found error
other hash type (e.g. contract)	Invalid_key_hash
Wrong base dir	Keys_not_found error

Test Cases get_pukh_from_alias

Input	**Expected output**
existent alias	<public key hash>
Non-existent alias	Keys_not_found error
Wrong base dir	Keys_not_found error

Test Cases get_contract

Input	**Expected output**
existent alias	<contract representation>
Non-existent alias	Wrong_contract_notation of <alias>
Existent alias but wrong base dir	Wrong_contract_notation of <alias>
Valid public key hash	<contract representation>
Invalid public key hash	Wrong_contract_notation of <pukh>
Valid Contract hash	<contract representation>
Invalid Contract hash	Wrong_contract_notation of <contr hash>

Test Cases transfer

Input				Expected output
src	***dst***	***amount***	***fees***	
-	implicit account	0	-	Empty_transaction
-	contract with default entrypoint	0	>=avg tx fee	<oph>
-	-	>0	< avg tx fee	Insufficient_fee
-	-	>0	>1.0	Reached_feecap
empty implicit account	-	-	-	Empty_implicit_contract
-	empty implicit account	>0	< Reveal fee (0.257 tz)	Reached_burncap
implicit contract with balance x > 0	not empty implicit account || contract with default entrypoint	>x	>=avg tx fee	Insufficient_balance
implicit contract with balance x > 0	not empty implicit account || contract with default entrypoint	>0 && <=x	>=avg tx fee	<oph>

Test Cases query

Input	Expected output
Op != Manager_operation (Endorsement, Activation, Nonce_rev,..) && Op included	Unexpected_result
Included op	Accepted of result
Injected op (not included yet) in Applied pool	Still_pending
Op in Branch_delayed pool	Still_pending
Op in Branch_refused pool	Still_pending
Op older than 60 blocks	Missing
Op in refused pool	Rejected of Unknown
<not producable>	Unprocessed

test missing

Test Cases get_balance

Input	**Expected output**
contract (implicit or originated)	balance in tez

Test Cases call_contract

Input					
src	***dst***	***amount***	***fees***	**entrypoint**	**arg**
-	implicit account	-	-	-	-
empty implicit account	-	-	-	-	-
implicit account with balance x > 0	-	> x	-	-	empty
implicit account with balance x > 0	contract w. entrypoint default	0	>=avg tx fee	empty	empty
implicit account with balance x > 0	contract w. entrypoint default	0	< avg tx fee	empty	empty
implicit account with balance x > 0	contract w. entrypoint default	>0 && <=x	>=avg tx fee	empty	empty
-	contract	-	-	-	invalid michelson
implicit account with balance x > 0	contract w. entrypoint ep	'=< x’	>= burn estimate	ep	valid michelson && correct argument types
implicit account with balance x > 0	contract w. entrypoint ep	'=< x’	-	ep	valid michelson && incorrect argument types
implicit account with balance x > 0	contract w. entrypoint ep	'=< x’	< burn estimate	ep	valid michelson && correct argument types

Expected output	
Not_callable	
Empty_implicit_account	
Insufficient_balance	
<oph>	
Insufficient_fee	
<oph>	
Michelson_parser_error	
<oph> || Michelson_runtime_error	Test missing
Michelson_runtime_error	
Insufficient_fee || Michelson_runtime_error	Test missing

Test Cases tez

Input	Expected output
<= 0.00000099.	Assertion
>= 0.000001	tez