

E-Cash API Management Solution

API (Application Programming Interface)

Host Interconnection (H2H)

PT Digital Artha Media

Document Change Control

Version	Date	Authors	Summary of Changes
1.0	2017	PT DAM	Initial Document
1.1	January 23 rd , 2018	Hendy	Add new fields on get register ticket API
1.2	February 13 th , 2018	Hendy	Add new fields on get register ticket API
1.3	March 28 th , 2018	Hendy	Add description parameter on charge

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1. E-Cash API's Overview

This document describes API Services definition for E-Cash API Management Solution.

2. Operation Definition

In the followings are the operation definitions for the services.

2.1 Login

Hostname	To be confirmed				
Port	To be confirmed				
HTTP Method	POST				
Path	/SessionManager/Login				
HTTP Headers	Name	Format	Mandatory	Description	
	Content-Type	application/x-www-form-urlencoded	Yes	N/A	
	Credentials	encrypted	Yes	Agent Credentials	
	APIKey	56	Yes	Assignable Value	
Format	x-www-form-urlencoded				
Authentication					
Request Definition	Field	Data Type	Length	Mandatory	Description
	username			Yes	Agent Username
Exp full url	https://api.mandiri-ecash.com/eCashHost/SessionManager/Login				
Request	username:agent01				
Response Definition	Name	Type	Length	Description	
	token		48	Transaction Token	
	status			Response Status	
Success response code	PROCESSED				
Response (Success)	{ "status": "PROCESSED", "token": "esr5656hka2osxj73f9s8jcw53b1d3ertqf43k8xq2xsypvk" }				
Error response code					
Response (error)					

2.2 Logout

Hostname	To be confirmed			
Port	To be confirmed			
HTTP Method	POST			
Path	/SessionManager/Logout			
HTTP Headers	Name	Format	Mandatory	Description
	Content-Type	application/x-www-form-urlencoded	Yes	N/A
	APIKey	56	Yes	Assignable Value
Format	x-www-form-urlencoded			
Authentication				
Request Definition	Field	Data Type	Length	Mandatory
	token		48	Yes
	Transaction Token			
Exp full url	https://api.mandiri-ecash.com/eCashHost/SessionManager/Logout			
Request	token:esr5656hka2osxj73f9s8jcw53b1d3ertqf43k8xq2xsypvk			
Response Definition	Field	Data Type	Length	Description
	status			Response Status
Success response code	PROCESSED			
Response (Success)	{ "status": "PROCESSED" }			
Error response code				
Response (error)				

2.3 Get Register Ticket

This is the API used for linkage process (user register service to merchant). For more details on how to use this API, please check “Web Register Implementation Guide”.

Hostname	To be confirmed				
Port	To be confirmed				
HTTP Method	POST				
Path	/NonTransactionManager/getRegisterTicket				
HTTP Headers	Name	Format	Mandatory	Description	
	Content-Type	x-www-form-urlencoded	Yes	N/A	
	APIKey	56	Yes	Assignable Value	
Format	x-www-form-urlencoded				
Authentication					
Request Definition	Field	Data Type	Length	Mandatory	Description
	mobilenno			Yes	User Msisdn
	token			Yes	Transaction Token
	name			No	User's Name
	email			No	User's Email
	dob			No	User's Date of Birth
	birthplace			No	User's Birth Place
	address			No	User's Address
	idno			No	User's Identification Number
Exp full url	https://api.mandiri-ecash.com/eCashHost/NonTransactionManager/getRegisterTicket				
Request	mobileNo : 08787779080444 token : fmna2bx8sohs6rzaa4fkcpchgjzyl7hpiayos80kxadjkiyo				
Response Definition	Field	Data Type	Length	Mandatory	Description
	ticket			Yes	Registration Ticket
	status			Yes	Response Status
	mobilenno			Yes	User MSISDN
Success response code	PROCESSED				
Response (Success)	{ "ticket": "k5grvj9j9ptsuvvg5ysumf75sfpkd78uc31ts5yrpuywmoxhc", "status": "PROCESSED", "mobilenno": "08787779080444" }				
Error response code					
Response (error)					

2.4 Balance Inquiry

Hostname	To be confirmed			
Port	To be confirmed			
HTTP Method	POST			
Path	/NonTransactionManager/BalanceInquiry			
HTTP Headers	Name	Format	Mandatory	Description
	Content-Type	x-www-form-urlencoded	Yes	N/A
	APIKey	56	Yes	Assignable Value
Format	x-www-form-urlencoded			
Authentication				
Request Definition	Field	Data Type	Length	Mandatory
	msisdn		13	Yes
	accountID		3	Yes
	token		48	Yes
Exp full url	https://api.mandiri-ecash.com/eCashHost/NonTransactionManager/BalanceInquiry			
Request	msisdn:08131234567 accountID:6 token: v4rp0v0f0idcxslIug8k64gh80eaxe88npc1gryq2cyn6qo			
Response Definition	Field	Data Type	Length	Description
	accountBalance			User Balance
	status			Response Status
	upperCreditLimit			User Account Balance Limit
	reservedAmount			User Reserved Amount
Success response code	PROCESSED			
Response (Success)	{"accountBalance":"2300000.00","status":"PROCESSED","upperCreditLimit":"5000000.00", "reservedAmount": "0.00"}			
Error response code				
Response (error)				

2.5 Transaction History

Hostname	To be confirmed																
Port	To be confirmed																
HTTP Method	POST																
Path	/NonTransactionManager/TransactionHistory																
HTTP Headers	Name	Format	Mandatory	Description													
	Content-Type	x-www-form-urlencoded	Yes	N/A													
	APIKey	56	Yes	Assignable Value													
Format	x-www-form-urlencoded																
Authentication																	
Request Definition	Field	Data Type	Length	Mandatory	Description												
	msisdn		13	Yes	User MSISDN												
	token		48	Yes	Transaction Token												
	currentPage			Yes	Page Position												
	pageSize			Yes	Record to Display												
	accountID		3	Yes	Assignable Value												
	startDate		10	Yes	Starting Transaction Date												
	endDate		10	Yes	End of Transaction												
Exp full url	https://api.mandiri-ecash.com/eCashHost/NonTransactionManager/TransactionHistory																
Request	msisdn : 08131234567 token : v4rp0v0f0idcxsluug8k64gh80eaxe88npc1gry2cyn . . . currentPage : 0 pageSize : 15 accountID : 6 startDate : 2016-01-01 endDate :2016-02-01																
Response Definition	<table><tr><th>Field</th><th>Data Type</th><th>Length</th><th>Description</th></tr><tr><td>status</td><td></td><td></td><td>Response status</td></tr><tr><td>accountHistoryDetails</td><td></td><td></td><td>User Transaction Details</td></tr></table>					Field	Data Type	Length	Description	status			Response status	accountHistoryDetails			User Transaction Details
	Field	Data Type	Length	Description													
	status			Response status													
	accountHistoryDetails			User Transaction Details													
	accountHistoryDetails values:																
	Field	Data Type	Length	Description													
	amount			Transaction Amoun													
	username			Destination User ID													
	parentTransactionNumber			Linked transaction number (if any)													
	description			Description of transaction													
	transferType			Name of this transaction													
	name			Trx destination name													
	transactionNumber			Ecash transaction number													
	transactionDate			Transaction date													
trxDateTime			Transaction date time														
transferTypeID			Transfer type id of the transaction														
privateFields			Custom parameter for specific transaction														
Success response code	PROCESSED																
Response (Success)	{ "status": "PROCESSED", "accountHistoryDetails": [{ "parentTransactionNumber": "", "status": "PROCESSED", "transferType": "Kirim ke Rekening Mandiri", "transferTypeID": "258", "transactionDate": "01/07/2016", "amount": "Rp - 14.500,00", "username": "", "traceNumber": "001-879872394700987234220", "privateFields": { "nama_rek_tujuan_bank_transfer": "KOKO KRANS", "PCF_SISF_norekbanktujuan": "1234567891235", "account_type_trf_bank": "D", "journal_seq_bank_transfer": "1255117"}, "description": "Kirim ke Rekening Mandiri.SUCCESS", "name": "", "transactionNumber": "20160701234493125511", "trxDateTime": "2016-07-01T12:55:11+07:00"}, { "parentTransactionNumber": "", "status": "PROCESSED", "transferType": "Credit From																

	Agent", "transferTypeID": "283", "transactionDate": "30/06/2016", "amount": "Rp 1.000,00", "username": "001", "traceNumber": "001-20160630123472", "privateFields": {}, "description": "Credit 123472", "name": "", "transactionNumber": "20160630233950114331", "trxDateTime": "2016-06-30T11:43:31+07:00", {"status": "PROCESSED", "accountHistoryDetails": [{"parentTransactionNumber": "", "status": "PROCESSED", "transferType": "Kirim e-cash", "transferTypeID": "362", "transactionDate": "01/07/2016", "amount": "Rp -5.000,00", "username": "0899109987492", "traceNumber": "001-12346203022209089", "privateFields": {}, "description": "Transfer 12346203022209089", "name": "Risma", "transactionNumber": "20160701234992163745", "trxDateTime": "2016-07-01T16:37:45+07:00"}]}
Error response code	
Response (error)	

2.6 Status Inquiry

Hostname	To be confirmed			
Port	To be confirmed			
HTTP Method	POST			
Path	/NonTransactionManager/Status			
HTTP Headers	Name	Format	Mandatory	Description
	Content-Type	x-www-form-urlencoded	Yes	N/A
	APIKey	56	Yes	Assignable Value
Format	x-www-form-urlencoded			
Authentication				
Request Definition	Field	Data Type	Length	Mandatory
	token		48	Yes
	amount		12	Yes
	accountTypeId			No
	traceNumber			Yes
				Description
				Transaction Token
				Transaction Amount
				Assignable Value
				Sequence Number
Exp full url	https://api.mandiri-ecash.com/eCashHost/NonTransactionManager/Status			
Request	token : esr5656hka2osxj73f9s8jcw53b1d3ertqf43k8xq2xs... amount :100000 accountTypeId (assignable value) traceNumber :10005			
Response Definition	Field	Data Type	Length	Description
	status			Response status
	traceNumber			Sequence number
Success response code	PROCESSED			
Response (Success)	{"traceNumber":"100005","status":"PROCESSED"}			
Error response code				
Response (error)				

2.7 Charge

Hostname	To be confirmed			
Port	To be confirmed			
HTTP Method	POST			
Path	/TransactionManager/Charge			
HTTP Headers	Name	Format	Mandatory	Description
	Content-Type	x-www-form-urlencoded	Yes	N/A
	APIKey	56	Yes	Assignable Value
Format	x-www-form-urlencoded			
Authentication				
Request Definition	Field	Data Type	Length	Mandatory
	msisdn			Yes
	amount			Yes
	traceNumber			Yes
	charge_transferTypeID			No
	token			Yes
	description			No
Exp full url	https://api.mandiri-ecash.com/eCashHost/TransactionManager/Charge			
Request	msisdn : 08131234567 amount : 100000 traceNumber : 2016041312050101 charge_transferTypeID : Assignable Value token : v4rp0v0f0idcxsluig8k64gh80eaxe88npc1gryq2cyn6qo			
Response Definition	Field	Data Type	Length	Description
	msisdn			User MSISDN
	status			Response Status
	traceNumber			Sequence Number From Request
	transactionNumber			ecash Transaction Number
	trxDateTime			Transaction Date and Time
Success response code	PROCESSED			
Response (Success)	{"msisdn":"08131234567","status":"PROCESSED","traceNumber": "001002","transactionNumber":"20151234560989110928","trxDateTime": "2015-08-13T14:05:31.346+07:00"}			
Error response code				
Response (error)				

2.8 Credit

Hostname	To be confirmed			
Port	To be confirmed			
HTTP Method	POST			
Path	/TransactionManager/Credit			
HTTP Headers	Name	Format	Mandatory	Description
	Content-Type	x-www-form-urlencoded	Yes	N/A
	APIKey	56	Yes	Assignable Value
Format	x-www-form-urlencoded			
Authentication				
Request Definition	Field	Data Type	Length	Mandatory
	msisdn			Yes
	amount			Yes
	traceNumber			Yes
	token			Yes
	credit_transferTypeID			No
	description			No
Exp full url	https://api.mandiri-ecash.com/eCashHost//TransactionManager/Credit			
Request	msisdn : 08131234567 amount : 100000 traceNumber : 001002 token : v4rp0v0f0idcxsluig8k64gh80eaxe88npc1gryq2cyn6qo credit_transferTypeID*: ID Assignable Value			
Response Definition	Field	Data Type	Length	Description
	msisdn			User MSISDN
	status			Response Status
	traceNumber			Sequence Number from Request
	transactionNumber			ecash Transaction Number
	trxDateTime			Transaction Date and Time
Success response code	PROCESSED			
Response (Success)	{"msisdn":"08131234567","status":"PROCESSED","traceNumber": "001002","transactionNumber":"20151234560989110928","trxDateTime": "2015-08- 13T14:05:31.346+07:00"}			
Error response code				
Response (error)				

3. Response Code

No.	Response Code	Description
1.	ALREADY_REGISTERED	Member is already registered in the system
2.	BLOCKED	Agent/member PIN is blocked by system
3.	BLOCKED_GROUPID	The current group id is blocked
4.	FAILED	Transaction is fail
5.	GENERAL_ERROR	General System Error
6.	GROUP_ALREADY_UPDATED	Current Member is already registered to destination group
7.	INVALID	Agent/member PIN is invalid
8.	INVALID_CHANNELID	Wrong channel ID
9.	INVALID_CREDENTIAL	Wrong Credentials
10.	INVALID_NAME_OR_SECRETWORD	Wrong name or Secretword
11.	INVALID_OTP	Wrong OTP
12.	INVALID_PARAMETER	Incomplete request parameter
13.	INVALID_VERSION	Wrong version
14.	IPG_AUTH_FAILED	IPG credentials failed
15.	MAX_DAILY_AMOUNT_RECEIVER_EXCEEDED	Receiver's Daily Credit of transaction reach limit
16.	MEMBER_ALREADY_REGISTERED	Member is already registered in the system
17.	MEMBER_NOT_FOUND	Member is not registered in the system
18.	MEMBER_NOT_REGISTERED	Member is not registered in the system
19.	MERCHANT_NOT_FOUND	Merchant is not registered in the system
20.	NO_TRANSACTION	Transaction history is empty
21.	NOT_ALLOWED	Agent is not allowed to access the feature
22.	NOT_ENOUGH_CREDITS	Member has not enough credits to do transaction
23.	OTP_REQUEST_FAILED_MEMBER_NOT_FOUND	Member is not registered in the system
24.	OTP_REQUEST_PROCESSED	OTP has been succesfully created
25.	OTP_VALIDATION_FAILED_INVALID_OTP	Wrong OTP
26.	OTP_VALIDATION_FAILED_OTP_ALREADY_VALIDATED	OTP has been used
27.	OTP_VALIDATION_FAILED_PHONE_NO_MISMATCH	Wrong MSISDN on validating OTP
28.	OTP_VALIDATION_PROCESSED	OTP has been succesfully validated
29.	PAYMENT_NOT_FOUND	No payment record to reverse
30.	PROCESSED	Transaction is success
31.	PROFILE_UPGRADE_FAILED	Member upgrade is failed
32.	PROVIDER_NOT_SUPPORTED	Member telco provider is not supported
33.	RECEIVER_UPPER_CREDIT_LIMIT_REACHED	Destination account has reach the account limit for transfer
34.	REQUEST_RECEIVED	OTP has been succesfully created
35.	TICKET_EXPIRED	IPG Ticket has expired
36.	TO_NOT_FOUND	Member is not registered in the system
37.	TOKEN_EXPIRED	Agent transaction session has expired
38.	TRXTYPE_NOT_FOUND	Transaction type is not registered in the system
39.	UNKNOWN_GROUPID	Group ID is not registered in the system
40.	UNKNOWN_TRXTYPE	Transaction type is not registered in the system
41.	UNREGISTERED_SERVICE	Member is not bind to the agent
42.	UNSUPPORTED_PROVIDER	Provider not exist
43.	USER_NOT_FOUND	Agent/user is not registered in the system

44.	VALID	Successfull PIN challenge
45.	VALIDATION_FAILED	Validation process failed
46.	MAX_MONTH_AMOUNT_EXCEEDED	Destination/member account has reach the account limit for transfer/transaction
47.	CHANNEL_BLOCKED	Member access channel is blocked
48.	TRANSFER_TYPE_NOT_ALLOWED/ INVALID_PARAMETERS	Invalid Transfer Type / Invalid user group access
49.	FROM_INVALID_CHANNEL	Invalid source channel
50.	TO_INVALID_CHANEL	Invalid destination channel
51.	FROM_NOT_FOUND	Source transfer not found