

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



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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 confirm	and										
Port	To be confirm											
HTTP Method	POST	ieu										
Path	/SessionMana	ngor/Login										
HTTP Headers	Name	Format				Mandatawa	Description					
TITTE Headers	Content-		/x mmm fo	rm-urlenco	104	Mandatory Yes	Description N/A					
	Type	application	X-WWW-10	iiii-uiieiicoc	ieu	165	IV/A					
	Credentials	encrypted				Yes	Agent Credentials					
	APIKey	56				Yes	Assignable Value					
	AFIRE	AFIREY 30 Tes Assignable value										
Format	x-www-form-	k-www-form-urlencoded										
Authentication	X WWW TOTTIL	unchedaca										
Request	Field	Data Type	Length	Mandator	v	Description						
Definition	username	Duta Type	Length	Yes	·	Agent Usern						
	asemanie			. 00		rigene openn	arrie					
Exp full url	https://api.m	andiri-ecash	.com/eCas	hHost/Sessi	onMan	ager/Login						
Request	, ,, ,		•	,		<i>y</i> , <i>y</i>						
·	username:ag	ent01										
Response	Name Ty	pe Length										
Definition	token	48	1	tion Token								
	status		Respons	se Status								
_												
Success	PROCESSED											
response code	(" " " "			ECECI I O	.=0	0.01 501410						
Response	{"status":"PF	ROCESSED","	token":"es	sr5656hka2d	sxj73f	9s8jcw53b1d3	ertqf43k8xq2xsypvk"}					
(Success)												
Error												
response code												
Response (error)												
(enoi)												



2.2 Logout

Hostname	To be confirme	ed										
Port	To be confirme	ed										
HTTP Method	POST											
Path	/SessionManag	ger/Log	out									
HTTP Headers	Name	For				Mandatory	Description					
	Content-Type	appl	lication/x-	www-form-urle	encoded	Yes	N/A					
	APIKey	56				Yes	Assignable					
							Value					
_												
Format	x-www-form-เ	x-www-form-urlencoded										
Authentication		_	·									
Request		Туре	Length	Mandatory	Descripti							
Definition	token		48	Yes	Transaction	on Token						
- C !! !												
Exp full url	https://api.ma											
Request	token:esr565	5hka2o	sxj73f9s8j	jcw53b1d3ertq	f43k8xq2x	sypvk						
Response	 											
Definition		Туре	Length									
	status			Response St	atus							
Success	PROCESSED											
response code												
Response	{"status":"PRO	CESSE	D"}									
(Success)	_											
Error response code												
Response												
(error)												



2.3 Validate Account

Hostname	To be cont											
Port	To be con	firmed										
HTTP Method	POST											
Path	/NonTrans	action	Manage	er/Validate	eAccount							
HTTP Headers	Name		Form			Mandatory	Descri	escription				
	Content-	Туре		v-form-ur	lencoded	Yes	N/A					
	APIKey		56			Yes	Assignable Value					
Format	x-www-fo	-www-form-urlencoded										
Authentication												
Request												
Definition	Field	Data '	Туре	Length	Mandatory	Description						
	msisdn			13	Yes	User MSISI						
	token											
Exp full url				sh.com/e0	CashHost/Non	Transaction№	lanager/	ValidateAccount				
Request	msisdn:08											
	token: v4				h80eaxe88np							
Response	Field	Data	Type	Length								
Definition	msisdn			13	User MSISE							
	status				Response S							
	groupID				User Group	ID						
	name			1	User Name							
	id					n Index Numb	per					
	kyc				KYC Status							
Success	DD 0 0500											
response code	PROCESSI			14 4011 11-1-	L II. IIDD OCEO	CED!! !!		1122456711 11 11.11411				
Response	{"Id":"114	r,"grou		149","Sta	tus":"PROCES	SED","MSISA	n":"U813	31234567","name":"Allys				
(Success) Frror	Soebando	по , ку	C: tru	ie }								
response code												
Response												
(error)												





2.4 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 confir										
Port	To be confir	rmed									
HTTP Method	POST										
Path		ctionManager		erTicket							
HTTP Headers	Name	Format	-			andatory	Descrip	tion			
	Content-T		·form-urle	ncoded	Ye		N/A				
	APIKey	56			Ye	S	Assignab	ole Value			
_											
Format	x-www-forn	n-urlencoded									
Authentication			_					•			
Request	Field	Data Type	Length	Mandato	ry	Descript					
Definition	mobileno			Yes		User Msis					
		token Yes Transaction Token https://api.mandiri-ecash.com/eCashHost/NonTransactionManager/getRegisterTicket									
Exp full url				<u>ishHost/No</u>	nTra	<u>nsactionM</u>	<u>anager/ge</u>	<u>etRegisterTicke</u>	<u>et</u>		
Request		08787779080									
	token : fmn	na2bx8sohs6rz	zaa4fkcpho	cgjzyl/hpia	yos	BUkxadjkiy	0				
Danasa											
Response Definition	Field	Data Turas	Lanath	Descript							
Delillidoll	ticket	Data Type	Length	Registrati		Ficket					
	status			Response							
	mobileno			User MSI							
Success	I mobileno			0361 1431.	אוטנ						
response code	PROCESSE)									
Response											
(Success)	{					_					
	"ticket": "k	5grvj9j9ptsuv	g5ysumf7.	5sfpkd78ud	:31t	s5yrpuywn	noxhc",				
		PROCESSED",	00444"								
	"mobileno": ∖	: "087877790	80444"								
Error rocnones	}										
Error response code											
Response											
(error)											



2.5 Balance Inquiry

Hostname	To be confirmed								
Port	To be confirmed								
HTTP Method	POST								
Path	/NonTransactionMa	anager/Bala	nceIn	quiry					
HTTP Headers	Name F	ormat			Ma	ndatory	Descripti	on	
	Content-Type x	-www-form	-urlen	coded	Yes	5	N/A		
	APIKey 5	6			Yes	3	Assignable	e Value	
Format	x-www-form-urlen	coded							
Authentication									
Request									
Definition	msisdn					User MS			
	accountID	3		Yes			ole Value		
	token	48 Yes Transaction Token							
Exp full url	https://api.mandir		<u>1/eCas</u>	<u> hHost/</u>	<u>NonTrai</u>	<u>nsactionM</u>	<u>anager/Bala</u>	<u>anceInquiry</u>	
Request	msisdn:08131234	567							
	accountID:6	l 11: Ol - C	4 - 1- 00	0		2 6	_		
	token: v4rp0v0f0io	icxsillug8ke	4gn8u	eaxes	snpcigr	yqzcynoq	0		
Response									
Definition	Field	Data Typ	e Le	ength	Descr	intion		7	
	accountBalance				User B			7	
	status				Respon	nse Status	 S	7	
	upperCreditLimit						lance Limit		
	reservedAmount				User R	eserved A	Amount		
Success	PROCESSED	•	•						
response code									
Response	{"accountBalance"					SSED","u	pperCreditL	imit":	
(Success)	"5000000.00", "re	servedAmo	<u>unt": "</u>	0.00"}					
Error response									
code									
Response (error)									



2.6 Transaction History

Hostname	To be confirme	ed								
Port	To be confirme									
HTTP Method	POST									
Path	/NonTransactio	nManager/	Transaction	History						
HTTP Headers	Name	Format			Man	datory	Description			
	Content-Type		form-urlence	oded	Yes		N/A			
	APIKey	56			Yes		Assignable Va	alue		
					•					
Format	x-www-form-u	rlencoded								
Authentication										
Request	Field	Data Typ				Descri				
Definition	msisdn		13	Yes		User M				
	token		48	Yes		Transaction Token Page Position				
	currentPage			Yes						
	pageSize			Yes			l to Display			
	accountID		3	Yes			able Value			
	startDate		10	Yes		Startin	g Transaction	Date		
	endDate		10	Yes			f Transaction			
Exp full url Request	https://api.ma msisdn: 0813		.com/eCashl	<u> Host/No</u>	<u>nTrans</u>	sactionM	<u>anager/Transa</u>	<u>ctionHistory</u>		
	currentPage: 0 pageSize: 15 accountID: 6 startDate: 2016-01-01 endDate: 2016-02-01									
Response Definition	Field		Data Type	Lengtl	ı De	scriptio	n			
Definition	status	bata Type	Lengu		sponse s					
	accountHistor	vDetails			User Transaction Details					
		,								
	accountHistory	Details valu	ues:							
	Field		Data	Ler	ngth	Descrip	otion			
			Туре							
	amount						tion Amoun			
	username						tion User ID	1 (15		
	parentTransa	ctionNumbe	er				ransaction nui			
	description						tion of transac			
	transferType						f this transacti	on		
	name	ımhor					tination name	abor		
	transactionNu						ransaction nun tion date	IDEI		
	transactionDa trxDateTime	ite			+		tion date			
	transferTypeI	D					r type id of the			
	privateFields						parameter for			
	Pilvacei icius					transact		Specific		
Success response code	PROCESSED		I	l						
Response (Success)	{"status": "PRO {"parentTranson Rekening Mandiri","transon 14.500,00", "under "und	actionNumb sferTypeID" sername": 0987234220 SISF_norek eq_bank_tr :SS","name 493125511	per": "","stat : "258","trac "","traceNur O","privateFi kbanktujuan' ansfer": "12 ": "","transa	nsaction mber": " elds": { ': "1234 55117"} ctionNu	Date": 001- "nama 56789 -, "des mber": 016-0	"01/07/ a_rek_tu 1235","a cription" : 7-01T12	/2016","amour juan_bank_tra account_type_ : "Kirim ke Re	nt": "Rp - ansfer": "KOKO trf_bank": kening "}		





	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)	



2.7 Status Inquiry

Hostname	To be confirmed											
Port	To be confirmed											
HTTP Method	POST											
Path	/NonTransaction	Manager/Stat	tus									
HTTP Headers	Name	Format			Mandat	tory	Description					
	Content-Type	x-www-form	led	Yes		N/A						
	APIKey	56			Yes		Assignable Value					
Format	x-www-form-url	x-www-form-urlencoded										
Authentication												
Request	Field	Data Type			ndatory		scription					
Definition	token		48	Yes			nsaction Token					
	amount		12	Yes			nsaction Amount					
	accountTypeId			No			ignable Value					
	traceNumber			Yes			uence Number					
Exp full url	https://api.mano	<u>diri-ecash.con</u>	<u>n/eCashH</u>	ost/No	nTransac	<u>tionM</u>	anager/Status					
Request	token : esr5656	hka2osxj73f9	s8jcw53b:	1d3erto	qf43k8xq	2xs						
	amount :100000											
	accountTypeId (lue)									
Doononco	traceNumber :10	0005										
Response Definition	Field	Data Tuna	Longth	Doco	uintion .							
Delililidoli	status	Data Type	Length		ription	10						
	traceNumber				nse stati ence num							
Success	Liaceivuilibei	J		Seque	ence num	Dei						
response code	PROCESSED											
Response	{"traceNumber"	:"100005","st	atus":"PR	OCESS	ED"}							
(Success)	-											
Error response code												
Response												
(error)												



2.8 Charge

Hostname	To be confirmed									
Port	To be confirmed									
HTTP Method	POST									
Path	/TransactionManage	er/Charge								
HTTP Headers		ormat		M	landatory	Description				
		-www-form-url	encoded		'es	N/A				
	APIKey 56	6		Y	'es	Assignable Value				
Format	x-www-form-urlence	coded								
Authentication										
Request	Field	Data T	ype Leng	yth	Mandatory					
Definition	msisdn				Yes	User MSISDN				
	amount				Yes	Transaction Amount				
	traceNumber	a I D			Yes	Sequence Number				
	charge_transferTy	pein			No	Transaction Type ID Transaction Token				
	token				Yes	Transaction Token				
Response	msisdn: 08131234567 amount: 100000 traceNumber: 2016041312050101 charge_transferTypeID: Assignable Value token: v4rp0v0f0idcxslliug8k64gh80eaxe88npc1gryq2cyn6qo									
Definition	Field	Data Type	Length	Des	scription					
	msisdn		_	Use	r MSISDN					
	status				ponse Statu					
	traceNumber					er From Request				
	transactionNumbe	er			sh Transacti					
	trxDateTime			Tra	nsaction Dat	e and Time				
Success response code	PROCESSED									
Response (Success)	{"msisdn":"081312 "001002","transacti "2015-08-13T14:05	ionNumber":"2	015123456	SED' 50989	","traceNuml 9110928","tr	per": xDateTime":				
Error response code										
Response (error)										



2.9 Credit

Hostname	To be confirmed								
Port	To be confirmed								
HTTP Method	POST								
Path	/TransactionMana	ger/Cr	edit						
HTTP Headers		Forma			Ma	andatory	De	escription	
			/-form-urler	coded	Ye	S	N/		
	APIKey !	56			Ye	S	As	signable Value	
Format	x-www-form-urler	ncoded							
Authentication									
Request	Field		Data Typ	e Leng	th	Mandato	ry	Description	
Definition	msisdn					Yes		User MSISDN	
	amount					Yes		Transaction Amount	
	traceNumber					Yes		Sequence Number	
	token					Yes		Transaction Token	
	credit_transferTy	/peɪb				No		Transaction Type ID	
Exp full url	https://api.mandi	ri-ecas	sh com/eCas	shHost//T	ran	sactionMar	าลตะ	er/Credit	
p			incom, cca.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· u··	isaccioni iai	lug	er, creare	
Request	msisdn: 0813123	34567							
	amount : 100000								
	traceNumber: 00								
	token : v4rp0v0f0					1gryq2cyn(6qo		
	credit_transferTyp	eID*:	ID Assigna	ble Value	!				
_									
Response									
Definition	Field	U	ata Type	Length		escription			
	msisdn					ser MSISDI			
	status traceNumber					esponse St		er from Request	
	transactionNumb	or						on Number	
	trxDateTime)EI						e and Time	
Success					1 11	ansaction	Dat	c and fille	
response code	PROCESSED								
Response	{"msisdn":"08131	23456	7" "status"	"PROCES	SSE	D"."traceNi	umł	per":	
(Success)	"001002"."transac	ctionNu	umber":"20	15123456	509	89110928"	'."tr	xDateTime": "2015-08-	
	13T14:05:31.346	+07:0	0"}				,		
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_VALIDAT ED	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