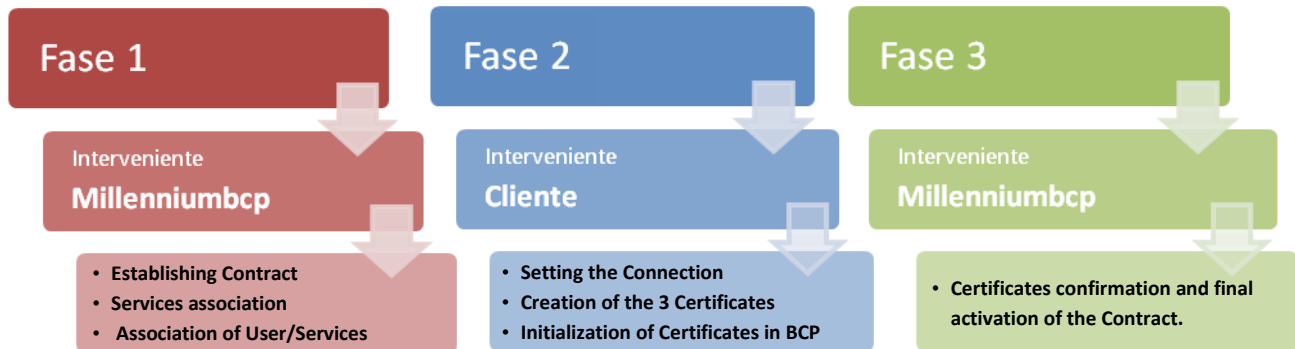


Canal Multibancário Services

EBICS Protocol

I. Process Stages:



- II. If there is no contract or a Group is involved, the subscription of the Canal Multibancário Contract is required (service subject to pricing), with the definition of EBICS as the communication protocol; If a formalized contract already exists for an individual Company, a formal notification mentioning the will to change the protocol, indicating expressly the IP of your server and your technology partner (SAGE/XRT or Metacase) is enough.

III. Connection Parameters:

Connection parameters to Canal Multibancário of Millennium bcp

HOST NAME	MILLENNIUMBSCP
SERVER IP	mbancario1.millenniumbcp.pt or 194.65.103.7
PORT	4500
EBICS VERSION	2.4

Note: In the case of a migration, Millennium bcp will open the port 4500 for the customer's current IP. Should the Client wishes to make changes to the IP, he must indicate so in the contract. If the partner is Metacase, the IPs are already available.

Millennium bcp's Public Key

Authentication Key (X002):

Certificate HASH	DF	97	D5	17	4D	76	2B	52	9B	B7	13	E9	23	D5	C3	50
	46	98	2E	70	E3	FB	F8	34	CE	F0	ED	89	4C	08	AB	E5
Key HASH	71	C7	52	01	A6	B5	B3	58	A6	DA	12	4B	46	FF	36	B6
	E2	20	44	33	90	48	D7	89	FF	D0	EF	C9	12	40	75	D2

Encryption Key (E002)

Certificate HASH	11	E0	E8	07	A1	8B	73	A8	E8	93	A4	9D	6D	F5	E2	A7
	CD	3F	C2	43	2B	4A	26	8B	54	61	1B	15	9B	2F	14	3A
Key HASH	6E	2D	95	53	BE	2B	3C	28	14	8E	7E	11	92	C8	54	91
	AE	07	38	DE	71	05	18	41	DE	C0	1D	4B	C4	E2	A5	A2

IV. Services configuration in the client 's system according to the conversion table:

SERVICE	EDI3	EBICS
Reception of Account Statement Files:		
Account Statement AFB120 v.2004	REL	camt.xxx.cfonb120.stm
Account Statement SWIFT MT940	MT940	camt.fin.mt940.stm
Account Statement SWIFT MT942	MT942	camt.fin.mt942.stm
Account Statement AFB120+ v.2010 (SEPA)	AFB120	camt.xxx.cfonb120b.stm
Currency exchange and Euribor rates ⁽¹⁾		
Currency exchange	CAMBIOS	camt.xxx.cmbptcamb.ara
Euribor rates	TAXAS	camb.xxx.cmbpttaxa.ara
Sending of Payments Files:		
Payments C2B SEPA/EUR	SEPACT	pain.001.001.03.dct
• <i>Payments Report</i>	DSEPACT	pain.002.001.03.dct
• <i>Payment Processing Report</i>	RSEPACT	pain.002.001.03.rct
Cheque Outsourcing (EUR/Portugal)	CHQ	pain.xxx.cmbptchq.tch
• <i>Cheque Outsourcing Report</i>	DHQ	camt.xxx.cmbptchq.ara
• <i>Cheque Outsourcing Processing Report</i>	RHQ	camt.xxx.cmbptchq.dri
International Payments (MT101/EUR)	MT101	pain.fin.mt101.mct
• <i>International Payments Report</i>	DMT101	camt.fin.mt101.ara
Bill Payments MB PSM	PSM	pain.xxx.cmbptpsm.dct
• <i>Bill Payments Report</i>	DPSM	camt.xxx.cmbptpsm.ara
• <i>Bill Payments Processing Report</i>	RPSM	camt.xxx.cmbptpsm.dri
Taxes Payments DUC	DUC	pain.xxx.cmbptduc.dct
• <i>Taxes Payments Report</i>	DDUC	camt.xxx.cmbptduc.ara
• <i>Taxes Payments Processing Report</i>	RDUC	camt.xxx.cmbptduc.dri
Top-up Pre-paid Cards PCE	PCE	pain.xxx.cmbptpce.dct
• <i>Top-up Pre-paid Cards Report</i>	DPCE	camt.xxx.cmbptpce.ara
• <i>Top-up Pre-paid Cards Processing Report</i>	RPCE	camt.xxx.cmbptpce.dri
Sending of Collections Files:		
Direct Debit SEPA/EUR C2B	SEPADD	pain.008.001.02.sdd
• <i>Collections Report</i>	DSEPADD	pain.002.001.03.ddd
• <i>Collections Processing Report</i>	RSEPADD	pain.002.001.03.rdd
Status ADCs SEPA IAD	IAD	camt.xxx.cmbptean.iad
Reversals of Direct Debits SEPA/EUR C2B	SEPAREV	pain.007.001.02.sdd
• <i>Reversals Report</i>	DSEPARV	pain.002.001.03.drsv
• <i>Reversals Processing Report</i>	RSEPARV	pain.002.001.03.rrv
Sending of Confirming Files:		
Sending	CNFG	pain.xxx.cmbptcnfg.dct
• <i>Report</i>	DCNFT	camt.xxx.cmbptcnfg.ara
Sending 'Unified' (Suppliers+Payment Notices)		pain.xxx.cmbptcnfguni.dct
• <i>Sending 'Unified' Report</i>		camt.xxx.cmbptcnfguni.ara

Note: ⁽¹⁾ The subscription of file reception with currency exchange rates and Euribor rates is automatic.

V. Creation of a Digital Certificate (EBICS T), which must be recognized and initialized by Millennium bcp simultaneously with the activation of the EBICS services.