

Incust

API commands

1. General information

Web API gateway:

Address: <https://api.incust.com/api>

Method: POST

Format: XML

Terminal commands (mobile app for salesperson)

- Connection check
- Send salesperson SMS message with password
- Log in to the terminal
- Card request
- Sale
- Sale cancellation
- The final report and the list of operations at the terminal

2. Ping

Test of communication and functionality of API gateway.

Field	Value	Description
cmd	ping	Command code.

Example:

```
<root>
<cmd>ping</cmd>
</root>
```

Response:

Field	Value	Description
cmd	ping	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
message	pong	Screen message.

Example:

```
<root>
<cmd>ping</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<responsemsg>pong</responsemsg>
</root>
```

3. Send salesperson SMS message with password

The identifier of the Register is a unique code of client's computer/smartphone where the program has been installed. It could be used as a cashdesk code.

Request:

Field	Value	Description
cmd	sendsmsterminalpassword	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
phone	380501111111	The phone number at which the terminal is installed.

Example:

```
<root>
<cmd>sendsmsterminalpassword</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
</root>
```

Response:

Field	Value	Description
cmd	sendsmsterminalpassword	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
message	SMS message has been sent to phone+380501111111	Screen message.

Example:

```
<root>
<cmd>sendsmsterminalpassword</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<message>SMS message has been sent to phone+380501111111</message>
</root>
```

4. Log in to the terminal

Request:

Field	Value	Description
cmd	loginterminal	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
language	Ru-ru	Application language
googlemessagesregid	APA91bHUdb...	Customer identifier for google messages
phone	380501111111	The phone number at which the terminal is installed.
password	0000	Terminal password.

Example:

```
<root>
<cmd>loginterminal</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<language>Ru-ru</language>
<googlemessagesregid>APA91bHUdbIH6D55y9F6Z6yARmS07b3iusNV7w6gFEem10cnn0Mi2L6jmHPIY1ngr7cOH7PqeEU9cYUJWiAQx8UStHGdnk8Hfhug0RkgwPC9qXi9-GEFLqtmxcZWYCP2q4H80OrCORGFpywjJK4sys2u54Schjy9nwQ</googlemessagesregid>
<phone>380501111111</phone>
<password>0000</password>
</root>
```

Response:

Field	Value	Description
cmd	loginterminal	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
merchantgroup	Coffee house on wheels	Name of merchant group
merchantsubgroup	SPD Paramonov V.K.	Name of merchant subgroup

merchantname	AA 2345 BE	Point of sale name
basicrate	5	Basic interest rate (for offline transactions), as a percentage.
terminaltype	B	B – bonus points, D – discount.

Example:

```
<root>
<cmd>loginterminal</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<merchantgroup>Coffee house on wheels</merchantgroup>
<merchantsubgroup> SPD Paramonov V.K.</merchantsubgroup>
<merchantname>AA 2345 BE</merchantname>
<terminalphone>380501111111</terminalphone>
<terminalname>Sergey Fedorenko</terminalname>
<basicrate>5</basicrate>
<terminaltype>B</terminaltype>
</root>
```

5. Card request on terminal

By phone number\card receives the information from the server.

Request:

Field	Value	Description
cmd	cardinfo	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
phone	380501111111	The phone number at which the terminal is installed.
password	0000	Terminal password.
cardphone	380671111111	Card phone number.
cardnumber	111111	Number/code of card.
cardemail	incust@example.com	Card email.

Example:

```
<root>
<cmd>cardinfo</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<cardphone>380671111111</cardphone>
</root>
```

or

```
<root>
<cmd>cardinfo</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<cardnumber>111111</ cardnumber >
</root>
```

or

```
<root>
<cmd>cardinfo</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
```

```

<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<cardemail>incust@example.com</ cardemail >
</root>

```

Response:

Field	Value	Description
cmd	cardinfo	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
cardphone	380671111111	Card phone number.
cardamountspent	180.00	The sum of purchases by card.
cardbonuses	340.50	Balance of bonus points on card.
cardrate	10	Basic interest rate of bonus points or discounts as a percentage.
message	When the amount of purchases will be more than 300 UAH, your bonus rate will be increased to 20%!	Message to the card holder.

Example:

```

<root>
<cmd>cardinfo</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<cardphone>380671111111</cardphone>
<cardamountspent>180.00</cardamountspent>
<cardbonuses>340.50</cardbonuses>
<cardrate>10</cardrate>
<message>When the amount of purchases will be more than 300 UAH, your bonus rate will be increased to 20%!</message>
</root>

```

6. Send customer SMS message with one-time password for redeeming of bonus points

Request:

Field	Value	Description
cmd	sendsmscardotppassword	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
phone	380501111111	The phone number at which the terminal is installed.
password	0000	Terminal password.
cardphone	380671111111	Card phone number.

Example:

```

<root>
<cmd>sendsmscardotppassword</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<cardphone>380671111111</cardphone>
</root>

```

Response:

Field	Value	Description
-------	-------	-------------

cmd	sendsmscardotppassword	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
message	SMS message with one-time password for redeeming of bonus points has been sent to customer phone +380671111111	Screen message.

Example:

```
<root>
<cmd>sendsmsterminalpassword</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<message>SMS message with one-time password for redeeming of bonus points has been sent to customer phone +380671111111</message>
</root>
```

7. Sale

Request:

Field	Value	Description
cmd	transaction	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
phone	380501111111	The phone number at which the terminal is installed.
password	0000	Terminal password.
cardphone	380671111111	Card phone number.
cardnumber	1111111	Number/code of card.
cardotppassword	0000	A one-time password for the customer for redeeming of bonus points. Is empty for terminals in which the password verification is not required.
amount	25.50	Amount of sales
bonusesredeemed	15.50	Amount of payment with bonus points
bonusesearned	0.00	Amount of credited bonus points. If 0, system will do automatically.
comment	Kasa refno 764523	Commentary to transaction
stock	...	List of products for sale, if the sale of the goods without transferring the list, this field can be excluded.
onlineflag	1	The operation takes place in the mode: 1 - online or 0- offline
skipsms	0	Sending info SMS message to customer: 0 – send, 1 – don't send.

Example:

```
<root>
<cmd>transaction</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<cardphone>380671111111</cardphone>
<cardotppassword>0000</cardotppassword>
<amount>25.50</amount>
<bonusesredeemed>15.50</bonusesredeemed>
<bonusesearned>0.00</bonusesearned>
<comment> Kasa refno 764523</comment>
<skipsms>0</skipsms>
```

</root>

Response:

Field	Value	Description
cmd	transaction	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
transactionid	234	Transaction number.
transactiondate	2015-02-01 10:20:50	Date of transaction
cardphone	380671111111	Card phone number.
cardbonuses	325.00	Balance of bonus points on card.
amount	25.50	Amount of sales
bonusesredeemed	15.50	Amount of payment with bonus points
amounttopay	10.00	Amount to be paid in cash
bonusesearned	1.00	Amount of credited bonus points
message	Congratulations, it was your 100 purchase! We give you a coupon for 40 UAH. A coupon code: 045623. Valid until 10/30/2015.	Message to the card holder.

Example:

```
<root>
<cmd>transaction</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<transactionid>234</transactionid>
<transactiondate>2015-02-01T10:20:50</transactiondate>
<cardphone>380671111111</cardphone>
<cardbonuses>325.00</cardbonuses>
<amount>25.50</amount>
<bonusesredeemed>15.50</bonusesredeemed>
<amounttopay>10.00</amounttopay>
<bonusesearned>1.00</bonusesearned>
<message> Congratulations, it was your 100 purchase! We give you a coupon for 40 UAH. A coupon code: 045623. Valid until 10/30/2015.</message>
</root>
```

Transfer the list of products for sale

List of products is transferred into the field stock.

Field	Value	Description
item		
id	1	Identifier of commodity item.
quantity	2	Quantity
price	15.80	Price
amount	0000	Amount for products

Example:

```
<root>
<cmd>transaction</cmd>
<serial>-</serial>
<appversion>webapp</appversion>
<phone>380671111111</phone>
<password>0000</password>
<cardphone>380671111111</cardphone>
<cardotppassword />
<amount>600</amount>
```

```

<bonusesredeemed>0</bonusesredeemed>
<comment>
</comment>
<stock>
<item>
<id>1</id>
<quantity>2</quantity>
<price>15</price>
<amount>30</amount>
</item>
<item>
<id>2</id>
<quantity>1</quantity>
<price>34</price>
<amount>34</amount>
</item>
</stock>
<onlineflag>1</onlineflag>
</root>

```

8. Sale cancellation

If the sale has been canceled, filled information about the cancellation will be shown again.

Request:

Field	Value	Description
cmd	transactioncancel	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
phone	380501111111	The phone number at which the terminal is installed.
password	0000	Terminal password.
cardphone	380671111111	Card phone number.
transactionid	234	Transaction number that you want to cancel.

Example:

```

<root>
<cmd>transactioncancel</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<cardphone>380671111111</cardphone>
<transactionid>234</transactionid>
</root>

```

Response:

Field	Value	Description
cmd	transactioncancel	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
transactionid	235	Transaction number of cancellation.
transactiondate	2015-02-01 10:20:50	Date of transaction
cardphone	380671111111	Card phone number.
cardbonuses	340.50	Balance of bonus points on card.
amount	-25.50	Amount of sales for cancellation
bonusesredeemed	-15.50	Amount of payment with bonus points for cancellation
amounttopay	-10.00	Amount to be paid in cash for cancellation
bonusesearned	-1.00	Amount of credited bonus points for cancellation
message		Message to the card holder.

Example:

```
<root>
<cmd>transactioncancel</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<transactionid>235</transactionid>
<transactiondate>2015-02-01T10:20:50</transactiondate>
<cardphone>380671111111</cardphone>
<cardbonuses>340.50</cardbonuses>
<amount>-25.50</amount>
<bonusesredeemed>-15.50</bonusesredeemed>
<amounttopay>-10.00</amounttopay>
<bonusesearned>-1.00</bonusesearned>
<message></message>
</root>
```

9. The final report and the list of operations at the terminal

The results and the list of operations for current date.

Request:

Field	Value	Description
cmd	transactionslistterminal	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
phone	380501111111	The phone number at which the terminal is installed.
password	0000	Terminal password.
datefrom	2015-06-12 00:00:00	Date from
dateto	2015-06-12 23:59:59.999	Date to

Example:

```
<root>
<cmd>transactionslistterminal</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>
<phone>380501111111</phone>
<password>0000</password>
<datefrom>2015-06-12 00:00:00</datefrom>
<dateto>2015-06-12 23:59:59.999</dateto>
</root>
```

Response:

Field	Value	Description
cmd	transactionslistterminal	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
total		
qty	8	Quantity of operations
amount	430.00	Total sale
bonusesredeemed	-2.00	Total payments with bonus points or discount
amounttopay	428.00	Total amount to pay in cash
bonusesearned	45.60	Total bonus points credited
transactions		
transactionid	234	Transaction number.
transactiondate	2015-02-01 10:20:50	Date of transaction
cardphone	***1111	Card phone number
amount	25.50	Amount of sales

bonusesredeemed	-15.50	Amount of payment with bonus points or discount
amounttopay	10.00	Amount to be paid in cash
bonusesearned	1.00	Amount of credited bonus points

Example:

```

<root>
  <cmd>transactionslistterminal</cmd>
  <status>0000</status>
  <statusdesc>Ok</statusdesc>
  <total>
    <qty>10</qty>
    <amount>430.00</amount>
    <bonusesredeemed>-2.00</bonusesredeemed>
    <amounttopay>428.00</amounttopay>
    <bonusesearned>45.60</bonusesearned>
  </total>
  <transactions>
    <transaction>
      <transactionid>1619</transactionid>
      <transactiondate>2015-06-10 10:08:33</transactiondate>
      <cardphone>***1111</cardphone>
      <amount>-33.00</amount>
      <bonusesredeemed>3.67</bonusesredeemed>
      <amounttopay>-29.33</amounttopay>
      <bonusesearned>-5.87</bonusesearned>
      <transactioncancelid>1618</transactioncancelid>
    </transaction>
    <transaction>
      <transactionid>1618</transactionid>
      <transactiondate>2015-06-10 10:07:24</transactiondate>
      <cardphone>***1111</cardphone>
      <amount>33.00</amount>
      <bonusesredeemed>-3.67</bonusesredeemed>
      <amounttopay>29.33</amounttopay>
      <bonusesearned>5.87</bonusesearned>
      <transactioncancelid>1619</transactioncancelid>
    </transaction>
  </transactions>
</root>

```

10. Request of list of commodity items

List of commodity items returns.

Request:

Field	Value	Description
cmd	stocklistterminal	Command code.
serial	42229713F...	Unique terminal identifier
appversion	1.09.2	Application version
language	Ru-ru	Application language
phone	380501111111	The phone number at which the terminal is installed.
Password	0000	Terminal password.

Example:

```

<root>
<cmd>stocklistterminal</cmd>
<serial>42229713F5F956A47D6C845DB74B6891</serial>
<appversion>1.09.2</appversion>

```

```

<language>Ru-ru</language>
<phone>380501111111</phone>
<password>0000</password>
</root>

```

Response:

Field	Value	Description
cmd	stocklistterminal	Command code.
status	0000	Status code. 0000 – successfully.
statusdesc	Ok	Status description or error text.
totalsdate	2015-02-01 10:20:50	Date of results. Always today.
amount	600.00	Sum of sales before bonus points and discount
amounttopay	545.00	Sum of sales after bonus points and discount
bonusesredeemed	55.00	Sum of payment of bonus points and discounts
bonusesearned	137.50	Sum of bonus earned

Example:

```

<root>
<cmd>totalsterminal</cmd>
<status>0000</status>
<statusdesc>Ok</statusdesc>
<totalsdate>2015-02-01</totalsdate>
<amount>600.00</amount>
<amounttopay>545.00</amounttopay>
<bonusesredeemed>55.00</bonusesredeemed>
<bonusesearned>137.50</bonusesearned>
</root>

```

11. Receiving of the ultimate card number generated code

Register`s request of the ultimate card number generated code from the server.

Request:

Field	Value	Description
cmd	getlastcardtemporarycode	Command code.
serial	42229713F...	Unique identifier of the register
appversion	1.09.2	Application version
phone	380501111111	Login of the register.
password	0000	Password of the register.
timedelta	5	Time of searching for card number (minutes)

Example:

```

<root>
<cmd>getlastcardtemporarycode</cmd>

```

```
<phone>380501111111</phone>
<password>0000</password>
<timedelta>5</timedelta>
</root>
```

Response:

Field	Value	Description
cmd	getlastcardtemporarycode	Command code
status	0000	Status code. 0000 – successful.
statusdesc	Ok	Status description or error text
cardphone	380501111111	Card phone number
cardname	Vasya	User card name.
cardbirthdate	1900-01-31	Date of birth of card user
cardgender	male	Sex of card user
temporarycode	765809	Card code.
redeembonuses	1	Type of the card: 0 - only replenish, 1 - replenish and redeem.
message		Message

Example:

```
<root>
  <cmd>getlastcardtemporarycode</cmd>
  <status>0000</status>
  <statusdesc>Successful...</statusdesc>
  <cardphone>380501111111</cardphone>
  <temporarycode>765809</temporarycode>
  <redeembonuses>1</redeembonuses>
  <message />
</root>
```