

# Server-to-Server Blacklist Editing

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## About S2S Blacklist Editing in Paygate

### General information about Server-2-Server blacklist editing

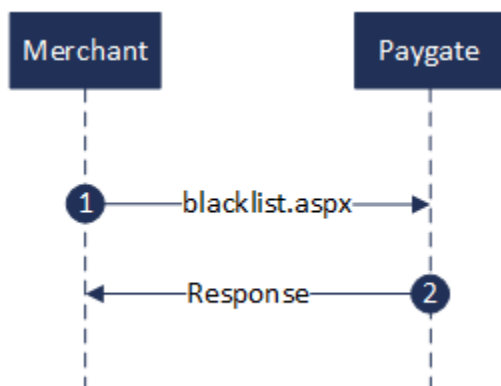
Scope: Right now, editing a blacklist can only be done via Analytics or via Merchant Services, this process is unfortunately slow and time consuming. Merchants needing to edit a huge number of transactions, or needing immediate control, including confirmation of the update done, requested this new Paygate feature. Computop will now be offering the possibility to edit a Blacklist via server-to-server.

Integration: A merchant should send a request to **blacklist.aspx** with usual parameters like MerchantID, Data and Length. In encrypted data, there must be a parameter EventToken for Insert, Update or Delete and a parameter BlackListInfo with all the information about the blacklist item. The value of BlackListInfo is a JSON-String. The Paygate first checks, if the merchant has the right to send such a request. Depending on the request result, it creates a BlackListInfo object and can perform the action insert, update or delete in the blacklist database. The next step is a response from the Paygate to the merchant. There will be a parameter Status, which can have the value OK or FAILED. In case of OK there will also be a parameter BlackListInfo which delivers all blacklist information as JSON-String. In case of FAILED there will be a parameter Description, which gives an indication why the request failed.

In order to block a card on several MerchantIDs at the same time, but without having to send a request for each MerchantID, it is possible to define a Master-MerchantID and various Sub-MerchantIDs. Then it is sufficient to send a request to the Master-MerchantID with the necessary data and the block will then also apply to all Sub-MerchantIDs at the same time.

If you are interested in this special function, please contact our Merchant Support so that the necessary configuration can be discussed and established.

### Process flow chart



Process flow S2S Blacklist editing

## Paygate interface

### Definitions

### Data formats

| Format | Description                                      |
|--------|--------------------------------------------------|
| a      | alphabetical                                     |
| as     | alphabetical with special characters             |
| n      | numeric                                          |
| an     | alphanumeric                                     |
| ans    | alphanumeric with special characters             |
| ns     | numeric with special characters                  |
| bool   | boolean expression (true or false)               |
| 3      | fixed length with 3 digits/characters            |
| ..3    | variable length with maximum 3 digits/characters |
| enum   | enumeration of allowed values                    |
| dtm    | ISODateTime (YYYY-MM-DDThh:mm:ss)                |

## Abbreviations

| Abbreviation | Description | Comment                                                                                                             |
|--------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| CND          | condition   |                                                                                                                     |
| M            | mandatory   | If a parameter is mandatory, then it must be present                                                                |
| O            | optional    | If a parameter is optional, then it can be present, but it is not required                                          |
| C            | conditional | If a parameter is conditional, then there is a conditional rule which specifies whether it is mandatory or optional |

**Notice:** Please note that the names of parameters can be returned in upper or lower case.

## Calling the interface for editing a blacklist

In order to Create, Read, Update or Delete a blacklist entry via server-to-server communication, go to the following URL:

<https://www.computop-paygate.com/blacklist.aspx>

**Notice:** For security reasons, Computop Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the [encrypted payment request parameters](#):

| Key                        | Format    | CND | Description                                                                                               |
|----------------------------|-----------|-----|-----------------------------------------------------------------------------------------------------------|
| <a href="#">MerchantID</a> | ans..30   | M   | MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.     |
| EventToken                 | enum      | M   | Abbreviation of the action to be done: <Create>, <Read>, <Update> or <Delete>                             |
| BlackListInfo              | ans..1024 | M   | Information about the blacklist entry as JSON string in the Base64 format. See table BlackListInfo below. |

| Key           | Format    | CND | Description                                                                                               | Beschreibung                                                                                                |
|---------------|-----------|-----|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| EventToken    | enum      | M   | Abbreviation of the action to be done: <Create>, <Read>, <Update> or <Delete>                             | Abkürzung der auszuführender Aktion: <Create>, <Read>, <Update> oder <Delete>                               |
| BlackListInfo | ans..1024 | M   | Information about the blacklist entry as JSON string in the Base64 format. See table BlackListInfo below. | Information über den Blacklist-Eintrag als JSON-String im Base64-Format. Siehe Tabelle BlackListInfo unten. |

Parameters for blacklist editing request

**Notice:** The BlackListInfo object is also provided back in response to EventToken Insert and Status "Failed" with Error Description = "Entry already exists". In this way the requestor can always receive back the unique BlockID when trying to insert a duplicated record.

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. MerchantId, RefNr) should not be checked case-sensitive

| Key           | Format    | CND | Description                                                                                                                                                                        |
|---------------|-----------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mid           | ans..30   | M   | MerchantID, assigned by Computop                                                                                                                                                   |
| Status        | a..50     | M   | OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )                                                                                                         |
| Description   | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! |
| BlackListInfo | ans..1024 | C   | Information about the blacklist entry as JSON string in the Base64 format, if Status=OK. See table BlackListInfo below.                                                            |

| Key    | Format | CND | Description                                                                | Beschreibung                                                                 |
|--------|--------|-----|----------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Status | a..50  | M   | OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> ) | OK ( <a href="#">URLSuccess</a> ) oder FAILED ( <a href="#">URLFailure</a> ) |

| Key         | Format    | CND | Description                                                                                                                                                                        | Beschreibung                                                                                                                                                                   |
|-------------|-----------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! | Nähere Beschreibung bei Ablehnung der Zahlung. Bitte nutzen Sie <b>nicht</b> den Parameter <b>Description</b> , <b>sondern Code</b> für die Auswertung des Transaktionsstatus! |

| Key           | Format    | CND | Description                                                                                                             | Beschreibung                                                                                                                |
|---------------|-----------|-----|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| BlackListInfo | ans..1024 | C   | Information about the blacklist entry as JSON string in the Base64 format, if Status=OK. See table BlackListInfo below. | Information über den Blacklist-Eintrag als JSON-String im Base64-Format, wenn Status=OK. Siehe Tabelle BlackListInfo unten. |

Response parameters for blacklist editing request

## BlackListInfo

The following table describes the BlackListInfo object for EventToken Insert:

| Key      | Format  | CND | Description                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------|---------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category | enum    | M   | Category <EDD> for direct debit or <CC> for credit card                                                                                                                                                                                                                                                                                                                                                                                     |
| Number   | ans..64 | M   | Credit card number/PCNr, if Category=CC<br><br>IBAN/PBAN, if Category=EDD<br><br> you also can add a German Bankleitzahl (BLZ) to blacklist by a record like this: DE00xxxxxxx0000000000 where xxxxxxxx is the BLZ you want to blacklist. While EDD processing DE-IBAN is separated into BLZ/Konto so this BLZ will be blacklisted even if IBAN is used. |
| BIC      | ans..32 | C   | BIC, if Category=EDD                                                                                                                                                                                                                                                                                                                                                                                                                        |

Parameters for blacklist editing, EventToken Insert

The following table describes the BlackListInfo object for EventToken Update:

| Key     | Format | CND | Description    |
|---------|--------|-----|----------------|
| BlockID | an..32 | M   | Unique BlockID |

|            |      |   |                                                                                                 |
|------------|------|---|-------------------------------------------------------------------------------------------------|
| LockActive | bool | M | Defines, if the entry should by blocked or not.<br><br>Blocked: <True><br><br>Unlocked: <False> |
|------------|------|---|-------------------------------------------------------------------------------------------------|

Parameters for blacklist editing, EventToken Update

The following table describes the BlackListInfo object for EventToken Delete:

| Key     | Format | CND | Description    |
|---------|--------|-----|----------------|
| BlockID | an..32 | M   | Unique BlockID |

Parameters for blacklist editing, EventToken Delete

The following table describes the BlackListInfo object with which the Paygate responds:

| Key                 | Format  | CND | Description                                                                                     |
|---------------------|---------|-----|-------------------------------------------------------------------------------------------------|
| BlockID             | an..32  | M   | Unique BlockID                                                                                  |
| <a href="#">mid</a> | ans..30 | M   | MerchantID, assigned by Computop                                                                |
| Category            | enum    | M   | Category <EDD> for direct debit or <CC> for credit card                                         |
| Number              | ans..64 | M   | IBAN, if Category=EDD<br><br>Credit card number, if Category=CC                                 |
| BIC                 | ans..32 | C   | BIC, if Category=EDD                                                                            |
| LockActive          | bool    | M   | Defines, if the entry should by blocked or not.<br><br>Blocked: <True><br><br>Unlocked: <False> |
| Created             | dtm     | M   | Time of creation (YYYY-MM-DD hh:mm:ss)                                                          |
| Changed             | dtm     | M   | Time of modification (YYYY-MM-DD hh:mm:ss)                                                      |

| Key                 | Format  | CND | Description                      | Beschreibung                              |
|---------------------|---------|-----|----------------------------------|-------------------------------------------|
| <a href="#">mid</a> | ans..30 | M   | MerchantID, assigned by Computop | HändlerID, die von Computop vergeben wird |

| Key        | Format  | CND | Description                                                                                     | Beschreibung                                                                                                 |
|------------|---------|-----|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Category   | enum    | M   | Category <EDD> for direct debit or <CC> for credit card                                         | Kategorie <EDD> für Lastschrift oder <CC> für Kreditkarte                                                    |
| Number     | ans..64 | M   | IBAN, if Category=EDD<br><br>Credit card number, if Category=CC                                 | IBAN, wenn Category=EDD<br><br>Kreditkartennummer, wenn Category=CC                                          |
| BIC        | ans..32 | C   | BIC, if Category=EDD                                                                            | BIC, wenn Category=EDD                                                                                       |
| LockActive | bool    | M   | Defines, if the entry should by blocked or not.<br><br>Blocked: <True><br><br>Unlocked: <False> | Definiert, ob der Eintrag gesperrt werden soll oder nicht.<br><br>Gesperrt: <True><br><br>Entsperrt: <False> |
| Created    | dtm     | M   | Time of creation (YYYY-MM-DD hh:mm:ss)                                                          | Zeit des Anlegens (YYYY-MM-DD hh:mm:ss)                                                                      |
| Changed    | dtm     | M   | Time of modification (YYYY-MM-DD hh:mm:ss)                                                      | Zeit der Änderung (YYYY-MM-DD hh:mm:ss)                                                                      |

Response parameters for blacklist editing request