

Suomen Asiakastieto Oy Integration Interfaces

Monitoring maintenance

Insert, remove and query



Document history

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1.0	13-Aug-2008	Katri Rautiainen	First version
1.1	22-Sep-2009	Aleksi Leppo	Descriptions updated.
1.2	23-Feb-2022	Katri Rautiainen	Logo updated
1.3	4.7.2023	Katri Rautiainen	Monitoring functions in REST 5/ SOAP 5.01
1.4	26.3.2024	Katri Rautiainen	Monitoring function parameters updated
1.5	21.5.2025	Katri Rautiainen	Asiakastieto address updated
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1.7	6.10.2025	Toni Myllyoja	Updated element hierarchy and fixed element names

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1. General

This document describes monitoring service functions in the XML based APIs i.e. SOAP and XML REST.

A -field is alphanumeric, data is in left side of the field filled with blanks. Field is filled with blanks if data is missing.

N -field is numeric.

Character set follows standard UTF-8

Reading example:

[0-9]{8}= Eight digits from 0 to 9.

DATE is format YYYY-MM-DD.

Note that returned dates in JSON response can be java milliseconds depending on data source.

2. Monitoring service

2.1 Header information for each response

Field	Description	Type	Max length
companyResponse			
responseHeader			
languageCode	ISO 639, FI = Finnish SV = Swedish EN = English	A	2
timeStamp			
date	YYYY-MM-DD	A	10
time	HH:MM:SS	A	8
responseStatus	0= ok, 1= error	N	3
currencyCode	EUR	A	3

2.2 Monitoring response

Field	Description	Type	Max length
monitoringStatus	0= object is not in the monitoring service, 1= object is in the monitoring service	A	1
monitoringDatabase	identification of monitoring database	A	12
monitoringId	Monitoring database ID	A	20
monitoringDbName	the name of the monitoring database	A	100
monitoringObject			
customerKey	identifying object e.g. customer id, if used valvontakohteen tunniste, esim. asiakasnumero	A	30
ccenter	cost center if used in request kustannuspaikka jos käytössä	A	20
businessId	Company's business ID number in the form nnnnnnnc [0-9]{8} Y-tunnus	A	8
personId	person identification number ddmmyy-nnnc/ ddmmyyAnnnc henkilötunnus		
objectName	The name, with which the object has been registered into the monitoring database asiakkaan määrittelemä nimi	A	100
monitoringUpdateDate	the date on which object has inserted into the monitoring service valvontaan asetettu päivämäärä	A	10
monitoringSettings	Contains special monitoring settings if they are in place		
monitoringNotificationsCount	number of payment defaults notification will be delivered until ending monitoring, 0 = continual monitoring kuinka monta valvontailmoitusta kohteesta lähetetään, 0 = jatkuva valvonta	A	1

paymentDefaultMonitoring	from which payment defaults will be notified mitä maksuhäiriöitä valvotaan	A	1
monitoringInput	the level of company monitoring yritysvalvontataso	A	75
monitoringStartingDate	monitoring ends date valvonta päättyy automaattisesti		
monitoringEndDate	monitoring ends date valvonta päättyy automaattisesti		
monitoringMessage	information of status on monitoring database esim, jos rajoitettu kanta, lähenee lkm lähenee rajaa, lisäys kyllä onnistuu, mutta huomautetaan asiasta.		

2.3 Error message

Field	Description	Type	Max length
errorMessage			
errorCode		A	3
errorText		A	75

2.4 Response examples

2.4.1 Insert

addToMonitoring

If the insertion was successful the response status will be 0.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```
<ns2:response xmlns="http://www.asiakastieto.fi/XMLSchema/Common_4.03.xsd" xmlns:ns2="http://www.asiakastieto.fi/XMLSchema/Monitoring_
Maintenance_4.03.xsd">
  <ns2:responseHeader>
    <responseStatus>0</responseStatus>
  </ns2:responseHeader>
  <ns2:monitoringStatus>1</ns2:monitoringStatus>
  <ns2:monitoringDatabase>
    <ns2:monitoringId></ns2:monitoringId>
    <ns2:monitoringDbName>Database name</ns2:monitoringDbName>
  </ns2:monitoringDatabase>
  <ns2:monitoringObject>
    <ns2:businessId>01110279</ns2:businessId>
    <ns2:objectName>Suomen Asiakastieto Oy</ns2:objectName>
    <ns2:monitoringUpdateDate>2023-07-04</ns2:monitoringUpdateDate>
  </ns2:monitoringObject>
  <ns2:monitoringSettings>
    <ns2:monitoringNotificationsCount>0</ns2:monitoringNotificationsCount>
  </ns2:monitoringSettings>
</ns2:response>
```

If error occurred the response status is 1.

If the object is already monitored the response status will be 1. The response includes errorMessage "VH1 Data is already in monitoring".

REST:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:response xmlns="http://www.asiakastieto.fi/XMLSchema/Common_4.03.xsd" xmlns:ns2="http://www.asiakastieto.fi/XMLSchema/Monitoring_
Maintenance_4.03.xsd">
  <ns2:responseHeader>
    <languageCode>FI</languageCode>
    <timeStamp>
      <date>2023-07-04</date>
      <time>12:50:06</time>
    </timeStamp>
    <responseStatus>1</responseStatus>
    <currencyCode>EUR</currencyCode>
```

```
</ns2:responseHeader>
<ns2:errorMessage>
  <errorCode>VH1</errorCode>
  <errorText>Tieto on jo valvonnassa </errorText>
</ns2:errorMessage>
</ns2:response>
```

2.4.2 Remove removeFromMonitoring

If the object was monitored and the remove was successful the responseStatus is 0.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:response xmlns="http://www.asiakastieto.fi/XMLSchema/Common_4.03.xsd" xmlns:ns2="http://www.asiakastieto.fi/XMLSchema/Monitoring_
Maintenance_4.03.xsd">
  <ns2:responseHeader>
    <responseStatus>0</responseStatus>
  </ns2:responseHeader>
  <ns2:monitoringDatabase>
    <ns2:monitoringId></ns2:monitoringId>
    <ns2:monitoringDbName>Database name</ns2:monitoringDbName>
  </ns2:monitoringDatabase>
  <ns2:monitoringObject>
    <ns2:businessId>01110279</ns2:businessId>
    <ns2:objectName>Suomen Asiakastieto Oy</ns2:objectName>
  </ns2:monitoringObject>
  <ns2:monitoringSettings/>
</ns2:response>
```

If the object is not monitored the response status will be 1. The response includes errorMessage "VH2 Data is not in monitoring".

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:response xmlns="http://www.asiakastieto.fi/XMLSchema/Common_4.03.xsd" xmlns:ns2="http://www.asiakastieto.fi/XMLSchema/Monitoring_
Maintenance_4.03.xsd">
  <ns2:responseHeader>
    <languageCode>FI</languageCode>
```

```
<timeStamp>
  <date>2023-07-04</date>
  <time>14:24:10</time>
</timeStamp>
<responseStatus>1</responseStatus>
<currencyCode>EUR</currencyCode>
</ns2:responseHeader>
<ns2:errorMessage>
  <errorCode>VH2</errorCode>
  <errorText>Tieto ei ole valvonnassa </errorText>
</ns2:errorMessage>
</ns2:response>
```

2.4.3 Query

requestMonitoringSettings

returns information if the object is monitored.

object is monitored:

the monitoringStatus is 1.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:response xmlns="http://www.asiakastieto.fi/XMLSchema/Common_4.03.xsd" xmlns:ns2="http://www.asiakastieto.fi/XMLSchema/Monitoring_Maintenance_4.03.xsd">
  <ns2:responseHeader>
    <responseStatus>0</responseStatus>
  </ns2:responseHeader>
  <ns2:monitoringStatus>1</ns2:monitoringStatus>
  <ns2:monitoringDatabase>
    <ns2:monitoringId></ns2:monitoringId>
    <ns2:monitoringDbName>Database name</ns2:monitoringDbName>
  </ns2:monitoringDatabase>
  <ns2:monitoringObject>
    <ns2:customerKey>Toimittaja</ns2:customerKey>
    <ns2:ccenter>1544</ns2:ccenter>

    <ns2:businessId>01110279</ns2:businessId>
```

```
<ns2:objectName>Suomen Asiakastieto Oy</ns2:objectName>
<ns2:monitoringUpdateDate>2023-07-03</ns2:monitoringUpdateDate>
</ns2:monitoringObject>
<ns2:monitoringSettings>
  <ns2:monitoringNotificationsCount>0</ns2:monitoringNotificationsCount>
  <ns2:paymentDefaultMonitoring>0</ns2:paymentDefaultMonitoring>
</ns2:monitoringSettings>
</ns2:response>
```

object is not monitored:

the monitoringStatus is 0.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:response xmlns="http://www.asiakastieto.fi/XMLSchema/Common_4.03.xsd" xmlns:ns2="http://www.asiakastieto.fi/XMLSchema/Monitoring_
Maintenance_4.03.xsd">
  <ns2:responseHeader>
    <responseStatus>0</responseStatus>
  </ns2:responseHeader>
  <ns2:monitoringStatus>0</ns2:monitoringStatus>
  <ns2:monitoringDatabase>
    <ns2:monitoringId></ns2:monitoringId>
    <ns2:monitoringDbName>Database name</ns2:monitoringDbName>
  </ns2:monitoringDatabase>
  <ns2:monitoringObject>
    <ns2:businessId>01110279</ns2:businessId>
    <ns2:objectName>Suomen Asiakastieto Oy</ns2:objectName>
  </ns2:monitoringObject>
  <ns2:monitoringSettings/>
</ns2:response>
```