Ibase Changes ODATA Documentation, 17.06.2019

Structure of OData Service:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **Data Type** | **Length** | **Decimals** | **Description** |
| SERNR | CHAR | 18 | 0 | Serial Number |
| IBASE | NUMC | 18 | 0 | IBase: Number of the Installed Base/IBase |
| CRNAM | CHAR | 12 | 0 | User who created the object |
| CRTIM | DEC | 15 | 0 | Creation date |
| UPNAM | CHAR | 12 | 0 | Last User to Change Object |
| UPTIM | DEC | 15 | 0 | Change date (in UIC) |
| IN\_RECNO | CHAR | 22 | 0 | IB: Unique record number |
| VALFR | DEC | 15 | 0 | Valid from (in UIC) |
| VALTO | DEC | 15 | 0 | Valid to (in UIC) |

Get Test Data for all change data beginning from date:

https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseChangesSet?$filter=Sernr eq '526104875' and Uptim gt '20160406135745'&$format=json

* Show me all changes beginning from 06.04.2016.
* VALFR has format YYYYMMDDHHMMSS!

https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseChangesSet?$filter=Sernr eq '526104875' and Uptim gt '19000000000000'&$format=json

* Show all changed items beginning from 00.00.1900

Example content

[…]

        "\_\_metadata" : {  
          "id" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseChangesSet(Sernr='000000000526104875',Ibase='000000000000001130')",  
          "uri" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseChangesSet(Sernr='000000000526104875',Ibase='000000000000001130')",  
          "type" : "Y\_DIGITAL\_TWIN\_SRV.IbaseChanges"  
        },  
        "Sernr" : "000000000526104875",  
        "Ibase" : "000000000000001130",  
        "Crnam" : "WENTKER",  
        "Crtim" : "06.04.2016 13:58:55",  
        "Upnam" : "MARTIN\_S",  
        "Uptim" : "12.02.2018 08:53:21",  
        "InRecno" : "051MYoXO7kM{}}HruQqEkG",  
        "Valfr" : "06.04.2016 13:58:06",  
        "Valto" : "12.02.2018 08:52:09"  
      },

* Field UPTIM is filled: component has been changed on 12.02.2018
* According to VALTO the component has been dismantled from engine on 12.02.2018.

      {  
        "\_\_metadata" : {  
          "id" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseChangesSet(Sernr='000000000526104875',Ibase='000000000000001130')",  
          "uri" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseChangesSet(Sernr='000000000526104875',Ibase='000000000000001130')",  
          "type" : "Y\_DIGITAL\_TWIN\_SRV.IbaseChanges"  
        },  
        "Sernr" : "000000000526104875",  
        "Ibase" : "000000000000001130",  
        "Crnam" : "WENTKER",  
        "Crtim" : "06.04.2016 13:58:55",  
        "Upnam" : "",  
        "Uptim" : "",  
        "InRecno" : "051MYoXO7kM{}}PXdttEkG",  
        "Valfr" : "06.04.2016 13:58:06",  
        "Valto" : "31.12.9999 23:59:59"

* According to VALFR component has been installed on 06.04.2018

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