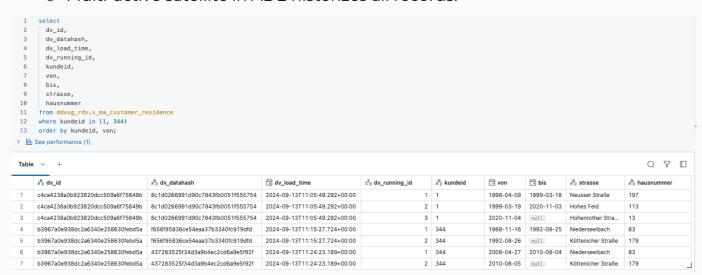
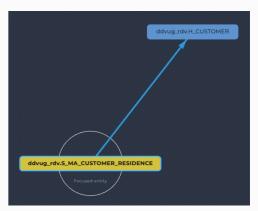
Multi-active satellite (2.1)

• Option 1:

- o ADE standard SAT_MA entity type for multi-active satellite was used.
- ADE uses a sub-sequence number (dv_running_id), which is calculated by business key (kundeid)
- Hash difference (dv_datahash) is calculated for ordered array of records (LISTAGG()) per the business key
- o Multi-active satellite in ADE historizes all records:







Multi-active satellite (2.2)

- In the current default loading logic, ADE does not support adding multiactive key (von) for SAT_MA loads
 - o With custom templates, that can be achieved
- For SAT_MA entities, a current view with entity type SAT_MA_C is created
 - o Current satellite is ADE's automatically generated view on top of satellite table to extract the most recent record based on load time
 - o For multi-active satellite, there can be multiple active records in the current view

Ø ddvug_rdv.S_MA_CUSTOMER_RESIDENCE SAT_MA Ø ddvug_rdv.S_MA_CUSTOMER_RESIDENCE_C SAT_MA_C

Multi-active satellite

ABC dv_id	Δ ^B _C dv_datahash	dv_load_time	123 dv_running_id	△ ^B _C kundeid	ii von	🛱 bis	△B _C strasse	$\mathbb{A}^{\mathbb{B}}_{\mathbb{C}}$ hausnummer
c4ca4238a0b923820dcc509a6f75849b	8c1d0266991d90c7843fb0051f555754	2024-09-13T11:05:49.292+00:00	1	1	1998-04-09	1999-03-18	Neusser Straße	197
c4ca4238a0b923820dcc509a6f75849b	8c1d0266991d90c7843fb0051f555754	2024-09-13T11:05:49.292+00:00	2	1	1999-03-19	2020-11-03	Hohes Feld	113
c4ca4238a0b923820dcc509a6f75849b	8c1d0266991d90c7843fb0051f555754	2024-09-13T11:05:49.292+00:00	3	1	2020-11-04	null	Hohenrother Stra	13
b3967a0e938dc2a6340e258630febd5a	f656f95836ce54eaa37b3340fc919dfd	2024-09-13T11:15:27.724+00:00	1	344	1988-11-16	1992-08-25	Niederseelbach	83
b3967a0e938dc2a6340e258630febd5a	f656f95836ce54eaa37b3340fc919dfd	2024-09-13T11:15:27.724+00:00	2	344	1992-08-26	null	Köttenicher Straße	179
b3967a0e938dc2a6340e258630febd5a	437283525f34d3a9b4ec2cd6a9e5f92f	2024-09-13T11:24:23.189+00:00	1	344	2008-04-27	2010-08-04	Niederseelbach	83
b3967a0e938dc2a6340e258630febd5a	437283525f34d3a9b4ec2cd6a9e5f92f	2024-09-13T11:24:23.189+00:00	2	344	2010-08-05	null	Köttenicher Straße	179

Current view of multi-active satellite

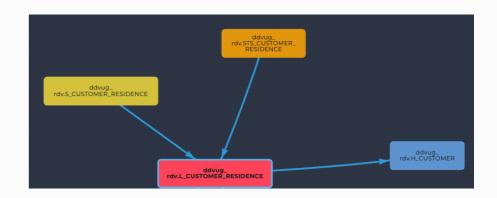
ABc dv_id		ABC dv_datahash	dv_load_time	123 dv_running_id	△B _C kundeid	i von	🛱 bis	△B _C strasse	^B _C hausnummer
c4ca4238a0b9238	20dcc509a6f75849b	8c1d0266991d90c7843fb0051f555754	2024-09-13T11:05:49.292+00:00	1	1	1998-04-09	1999-03-18	Neusser Straße	197
c4ca4238a0b9238	20dcc509a6f75849b	8c1d0266991d90c7843fb0051f555754	2024-09-13T11:05:49.292+00:00	2	1	1999-03-19	2020-11-03	Hohes Feld	113
c4ca4238a0b9238	20dcc509a6f75849b	8c1d0266991d90c7843fb0051f555754	2024-09-13T11:05:49.292+00:00	3	1	2020-11-04	null	Hohenrother Stra	13
b3967a0e938dc2a	6340e258630febd5a	437283525f34d3a9b4ec2cd6a9e5f92f	2024-09-13T11:24:23.189+00:00	1	344	2008-04-27	2010-08-04	Niederseelbach	83
b3967a0e938dc2a	6340e258630febd5a	437283525f34d3a9b4ec2cd6a9e5f92f	2024-09-13T11:24:23.189+00:00	2	344	2010-08-05	null	Köttenicher Straße	179



Multi-active satellite (2.3)

• Option 2:

- Modelling a one-way link, where link primary key is kundeid and von
 - It is then possible to add status tracking satellite and a satellite
- The result is the same as with multi-active satellite, but status tracking satellite gives us better ability to track deletion status



△B _C kundeid	Δ ^B _C dv_datahash	123 delivery_period	1 ² ₃ status	i von	苗 bis	△Bc strasse	${\tt A}^{\!B}_{\!{\tt C}}$ hausnummer
1	a1741895cae0915b675ac68ac144e2bb	1	1	1998-04-09	1999-03-18	Neusser Straße	197
1	79657fe66842e89c50846a9064979d9e	1	1	1999-03-19	2020-11-03	Hohes Feld	113
1	7d9379c9c00462da3c33758fe7462dd6	1	1	2020-11-04	null	Hohenrother Stra	13
344	8caf18f1de2f130dc3e4dba3e96149a2	2	0	1988-11-16	1992-08-25	Niederseelbach	83
344	58e7f0643e99af66590ad1e6e6041234	2	0	1992-08-26	null	Köttenicher Straße	179
344	8e26eba090a8f96d7322718a17698692	3	1	2008-04-27	2010-08-04	Niederseelbach	83
344	e1fc000b8f6f2168a3b66a233c325875	3	1	2010-08-05	null	Köttenicher Straße	179

