

Become Data Vault 2.0 Certified – Online Delivery

Compulsory Requirements for the Online Course

Please ensure you download and test your logins for the below applications at least 1-2 days prior to the course to ensure all systems are functional for the start of the training.

- **MS Whiteboard app.** It's a free app. [Link](#)
- **Zoom (free download) - Zoom Client for Meetings.** It's a free app. [Link](#)
For the online Zoom room, it is a requirement to have the below. It assists with clarity and allows the trainer to better engage the students with the Videos on.
 - Individual headset
 - Video setup (This is to assist the trainer in engaging with the individuals in the class).
- **PDF Reader** – most will already have this app. It's a free app. [Link](#)
- **Good internet connection is a must**
- **Quiet room/background is a must to avoid disruptions to the class**
- **Note taking materials** – if possible, print the manual to make notes directly in context of the material. At minimum a separate note pad be available if the print option is unavailable.

Distributions of the manuals

All students once signed up will be required to sign and return a Non-Disclosure Agreement (NDA) form for the following reasons.

You are not permitted to copy, re-use, re-print, re-create, teach, derive, distribute, share, or reference these materials in any manner, electronic or paper form, without express written consent from Dan Linstedt.

Once we have received your signed NDA forms, you will be issued your manuals the day prior to the start of the course.

Daily general course structure guidelines

**These times may vary over the course of the 3 days slightly due to the nature of the pace the class may be running at.*

08:30AM – 10:30AM
10:30AM – 11:00AM (Break)
11:00AM – 12:30AM
12:30AM – 1:00AM (Break - Lunch)
13:00PM – 15:00PM
15:00PM – 15:30PM (Break)
15:30PM – 17:00PM

Course Material Structure

The training agenda, both online (pre-work) and class time looks as follows:

Online training:

- What is Data Vault 2.0?
- DV1.0 compared to DV2.0
- Issues Faced Today
- Data Vault in Business
- Managed Self Service BI
- Agile Delivery & Methodology
- Agile Requirements Gathering
- Technical Numbering
- Roles & Releases
- Architecture Components

Day 1 training:

- Data Vault 2.0 Definition / Introduction
- Hadoop Overview / Introduction
- SMP versus MPP
- Data Vault Business Cases – LMCO and CBA
- Business Vault
- Data as an Asset (*short section*)
- Business Processes & Keys
- Hashing & Sequences
- Common Terminology

Day 2 training:

- Core Data Vault Structures
- Dependent Child
- Driving Key
- Link To Link Denormalization
- Link Unit Of Work
- Exploration Links
- Applying Links
- Non-Historized Link
- Satellites in Depth
- Reference Data
- Distribution and Colocation
- Queries in Hadoop
- PIT and Bridge Templates
- **Workgroups!**

Day 3 training:

- **Group Workshop Review!**
- Data Vault in a Data Lake
- Record Source Tracking
- Applying Set Logic
- ETL / ELT Performance Tuning
- Loading Architecture
- Col Comparison & Hash Diff Zero Key Concept
- Staging Loads
- DV2 Loading Standards
- End Dating Sat Templates
- Real-Time Templates
- Error Handling
- Dealing with Corrupted Data
- Q&A (throughout)

Pre-requisites for the course:

Experience in business analysis and BI practices are advantageous but no hard requirements needed to be successful in the course.

Pre-course training preparation online videos: The 3 day intensive training course has a pre-requisite of students watching all the Online LearnDataVault videos – this equates to approx. 8 hours preparation time to be viewed prior to attending Day 1. These logins will be issued as soon as students have registered with their own unique logins.

NOTE: Registrations should occur no later than 1 week prior to the course to allow students to have enough time to view all the Online videos.

You will receive an email from <https://datavaultalliance.com/>

Course test and certification:

Once students have completed the 3 day course, they will have **2 weeks to complete the test**. They will have **2 attempts** to pass. Logins will be provided to individuals for the test site on course completion. Once students become certified they will have their names published on the Data Vault Certified Practitioner site: <http://datavaultcertification.com/data-vault-certification/certified-individuals/>

You will receive an email from <https://www.classmarker.com/>