

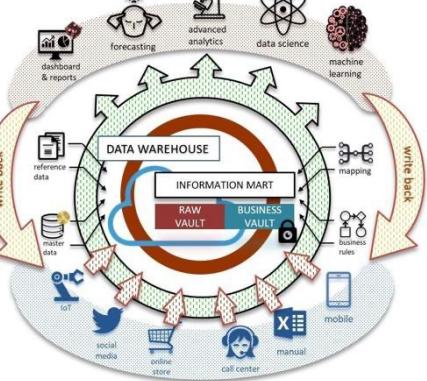
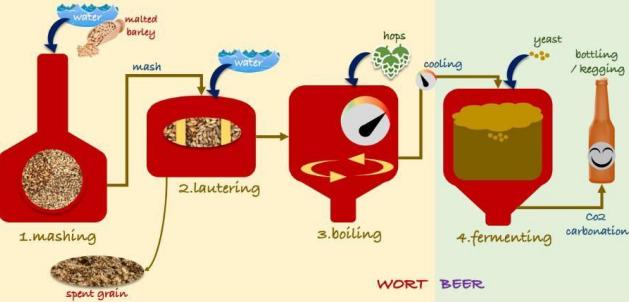
Full Catalogue of Data Vault content

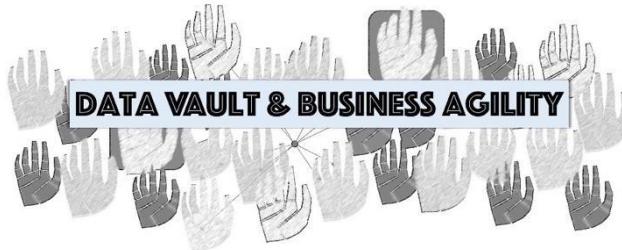
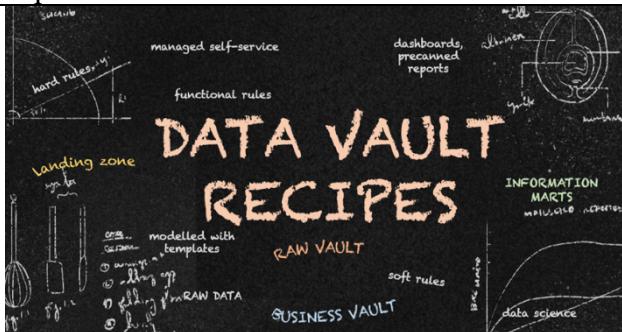


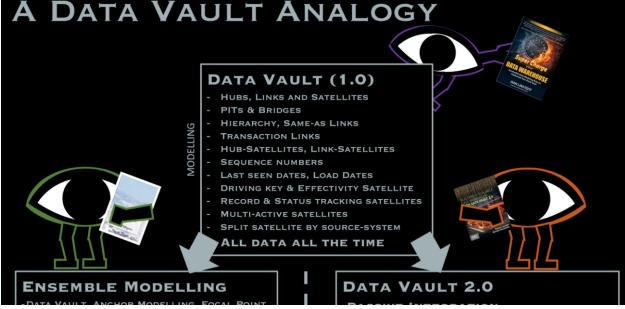
The collage includes the following elements:

- DATA VAULT TEST AUTOMATION:** A grid of small icons representing various data models.
- Say NO to Refactoring DATA MODE:** A black background with white text and a megaphone icon.
- WHY EQUIJOINS MATTER!**: A collage of images showing people working at desks.
- Data Vault Mysteries... Business Vault**: An image of a man in a suit holding a book titled "DATA VAULT".
- DATA VAULT HAS A NEW HERO**: An illustration of a superhero with a red cape and a mask.
- WRONG!**: A collage of images including a tree, a city skyline, and a person in a suit.
- Building Data Vault modelling capability through the Mob**: An illustration of a man in a suit and a woman.
- Solving the Time Crime of Backdated Data in Your Data Vault**: A diagram of a "Data PIT Flow Manifold" showing data flow from "Laudating open grain" through various stages: Monthly PIT, Weekly PIT, Daily PIT, Current PIT, and finally "WORST BEER".
- Spark GraphX and the Seven Bridges of Königsberg**: A diagram of a gear-shaped network with nodes labeled "DATA WAREHOUSE", "INFORMATION MART", "RAW VAULT", and "BUSINESS VAULT".
- Data Vault 2.0 on Snowflake...**: An illustration of a man at a desk with a computer monitor.
- A Rose by any other name... WAIT.. is it still the same?**: A collage of images including a rose, a key, and a chessboard.
- Data Vault Mysteries... Zero Keys & GHOST RECORDS**: An illustration of a group of people in a laboratory setting.
- Passive integration explained...**: A logo consisting of four stylized blue shapes.

Blog Catalogue

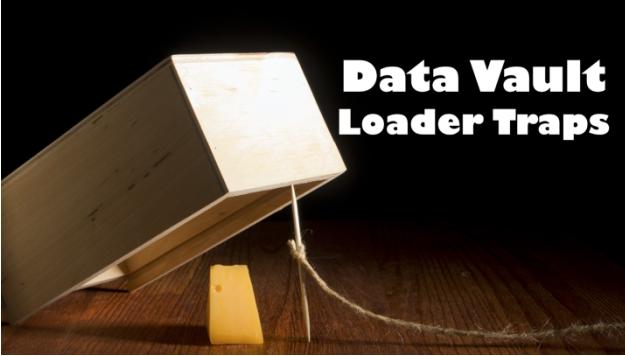
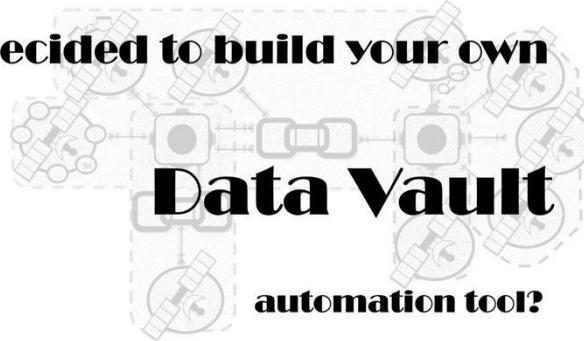
Category	Article	Keywords	URL
Practice	 <p>Advantage Data Vault 2.0 Highlighting what DV2.0 gives more than any other interpretation of DV</p>	Data Vault 2.0	bit.ly/2ZZILcv bit.ly/2II5fVt
Practice	 <p>Learning Data Vault is Like Learning How to Make Beer! All it takes are three or four “things” to start any learning journey, your cognitive load. At the time of writing the article I was learning how to make beer!</p>	Beer, Hubs, Links, Satellites, Modelling, Business Process	bit.ly/2ZYGpJP bit.ly/3GwZ12r

Category	Article	Keywords	URL
Practice	 <p>Data Vault or: how I learnt to stop worrying and love Data Governance Following an Atomic Space Age theme, a glimpse into Data Vault with DataOps</p>	DataOps, GDPR, CCPA, Data Governance, Satellite Splitting, Auditability	bit.ly/3vhEDxJ bit.ly/35xhVGL
Practice & Modelling	 <p>Time to upgrade your thinking on Data Vault Data Vault is more than just a data modelling methodology, it is designed to change and flex as the business evolves and matures around core business capabilities</p>	Hoshin Kanri, Business Architecture, Business Agility, Data Platform, Information Mapping, OKR, Balanced Scorecard, KPI, Measure, Metrics	bit.ly/3fUL7fN bit.ly/335dqW1
Practice		Enterprise Architecture, Solution Architecture, Business Architecture, Business Process, Capability Map, Raw Vault, Business	bit.ly/2WEWCSw bit.ly/3gM1k7H

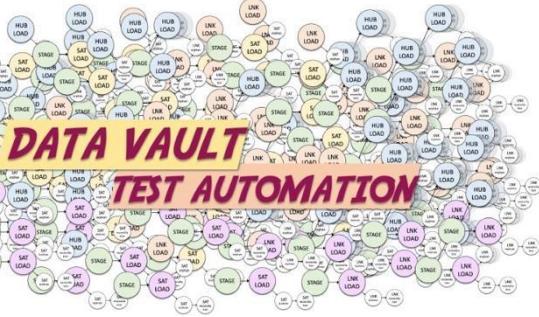
Category	Article	Keywords	URL
	<p>Data Vault Recipes A holistic look at what it means to adopt Data Vault 2.0 methodology, inspired by baking of course!</p>	Objects, Business View, Technical Debt, Business Vault, Information Mart, Data Delivery, Data Quality	
Practice	 <p>A DATA VAULT ANALOGY</p> <p>Data Vault in the industry has two standards, one following the Hans Hultgren method (Ensemble Modelling) and the other follows Dan Linstedt (Data Vault 2.0). Sometimes the terms of the two are confused and to the untrained eye it is difficult to tell who is following which method, which of course adds to the confusion of learning about Data Vault. Ensemble tends to lean towards replacing Kimball, Data Vault 2.0 does not - instead DV2.0 keeps the patterns simple and repeatable.</p> <p>The art was inspired by “in the land of the blind the one-eyed man is king” proverb.</p>	Ensemble Modelling, Data Vault 2.0, Hans Hultgren, Dan Linstedt	bit.ly/39o9qPX bit.ly/3so8qo3
Practice	 <p>Data vault Pitch</p>	Agility, Agnostic, Automation, Auditability	bit.ly/2RyoRjv bit.ly/3qSmjIz

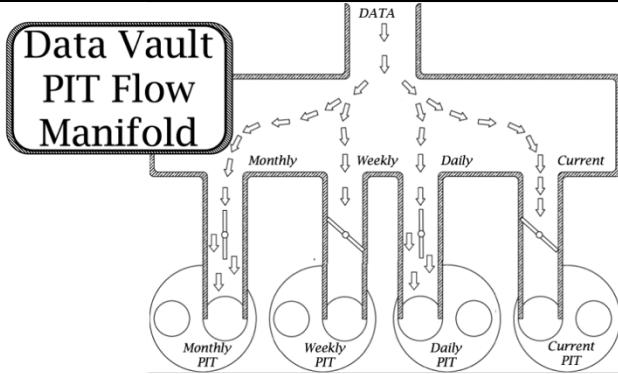
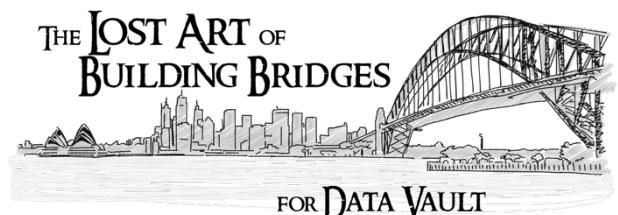
Category	Article	Keywords	URL
	<p>Data Vault Elevator Pitch One's point of view is usually biased toward their own interests, and it is the same when you pitch a Data Vault to different professions within a business.</p>		
Practice	 <p>Data Vault Dream Team Ideas on how to get a Data Vault project started and build momentum</p>	Team, Community of Practice, DVBoK, Consulting	bit.ly/3uHne3N bit.ly/33bU2qn
Practice & Modelling	 <p>Building Data Vault modelling capability through the Mob How to go about modelling your Data Vault through collaboration and having the right people in the right place. Inspired by work done at a major customer and extreme programming principles</p>	Modelling	bit.ly/3zgP7OP bit.ly/2NiceTN

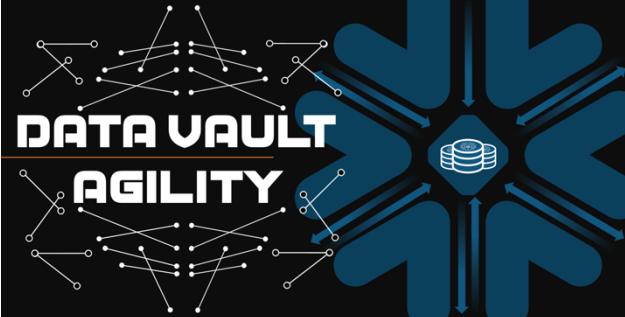
Category	Article	Keywords	URL
Practice	 <p>Bring out your Dead... Data The first DV article on consideration on what to do with defunct data! Inspired by Pet Semetary, Poltergeist and the Sixth Sense!</p>	deprecated data, GDPR, freshness, observability	bit.ly/3o8To3m bit.ly/3Lh6pCP bit.ly/2CqZTKJ
Modelling	 <p>Data Vault Industry Verticals An outcome of a Data Vault model review, this article explains some of the pitfalls of attempting to conform a data vault to an industry model. Art inspired by Sim City.</p>	Dependent-Child Key, Standards, Business Key, Industry Model	bit.ly/3tIckuf bit.ly/34hHezy

Category	Article	Keywords	URL
Modelling	 <p>Data Vault Loader Traps Articulating some of the pitfalls of not doing a Data Vault properly!</p>	Satellites, Multi-table insert, Semi-structure function, Hashing	bit.ly/3tqwAQU bit.ly/34Duine
Modelling & Integration	 <p>Decided to build your own Data Vault automation tool? Based on experience building a home-grown Data Vault automation tool, this post covers most of the patterns you will encounter in a Data Vault 2.0 model, with examples!</p>	Mapping, modelling	bit.ly/3bRIV7U bit.ly/35XZ0YX

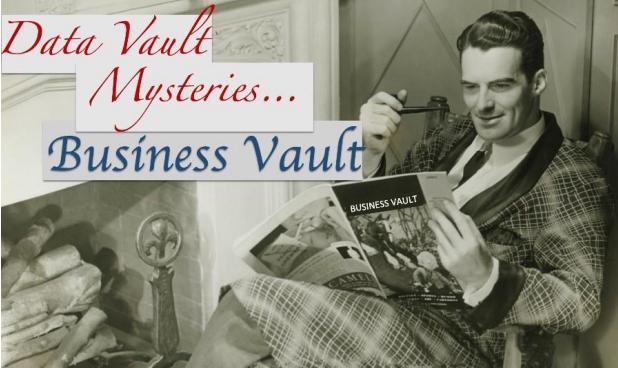
Category	Article	Keywords	URL
Snowflake	<p>Data Vault 2.0 on Snowflake...</p> <p><i>...to hash or not to hash... that is the question...</i></p>  <p>Data Vault 2.0 on Snowflake...To hash or not to hash... that is the question</p> <p>To hash or not to hash on Snowflake...? An article justifying why you should and how Snowflake's MPP interpretation can still be used to deliver a Data Vault. Any guess to whom that is in the title page?</p>	PIT, Point in Time, OLAP, Snowflake, MPP, Massively Parallel Platform, hashing, zone maps	bit.ly/3dn83n8 bit.ly/3rH7gS5
Modelling & Snowflake	 <p>Why EQUIJOINS Matter!</p> <p>Evidence on how PIT tables (when designed right) take advantage of inherent OLAP capabilities for querying facts and dimensions. Inspired by 12 Angry Men and Juror #8.</p>	Raw Vault, Query Assistance, Hashing, PIT, Point in Time, Sequence Number, PIT, equijoin, right-deep-join-tree, sequence key, OLAP, Information Mart, Business Vault, Clustering	bit.ly/3dBxOQK bit.ly/3Bci9BV

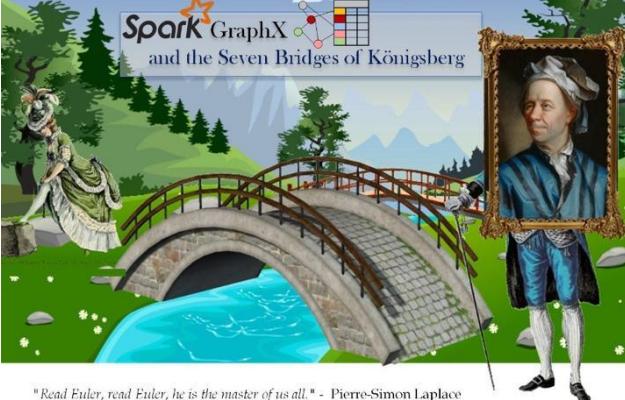
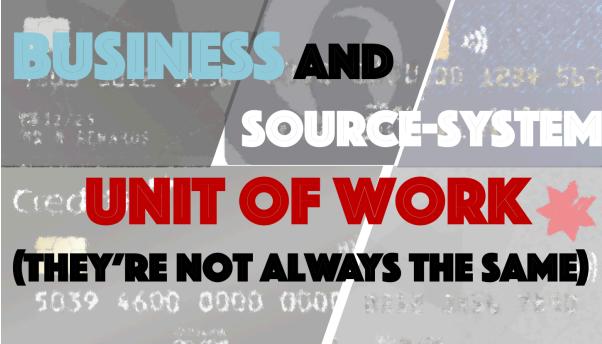
Category	Article	Keywords	URL
Modelling & Snowflake	 <p>Data Vault Test Automation Reconciliation between staged and target and between target tables is a must. This test framework is designed to keep the data vault implementation honest, and it is insert-only as well.</p>	Reconciliation, Test Automation, Hubs, links and satellites, staging, business keys, unit of work	bit.ly/3dUHPIS bit.ly/3shb5jq
Snowflake	 <p>Data Vault Dashboard Monitoring How to set up and track Data Vault dashboard reporting based out of Snowsight and the same INSERT-ONLY paradigm of DV2.0</p>	Snowsight, Test Framework, Automated Testing, Auditability, Dashboards	bit.ly/3BjSg1F bit.ly/3ryMdEM

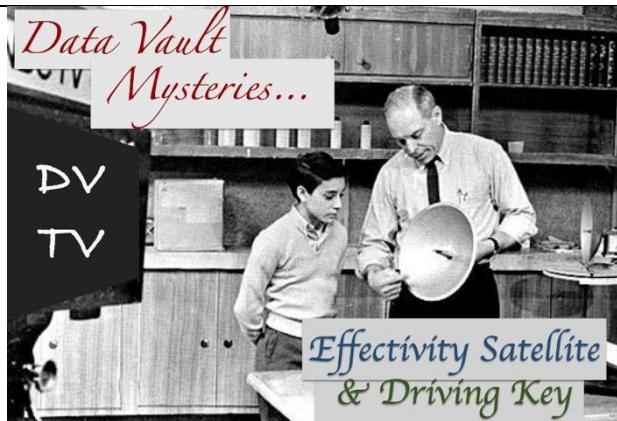
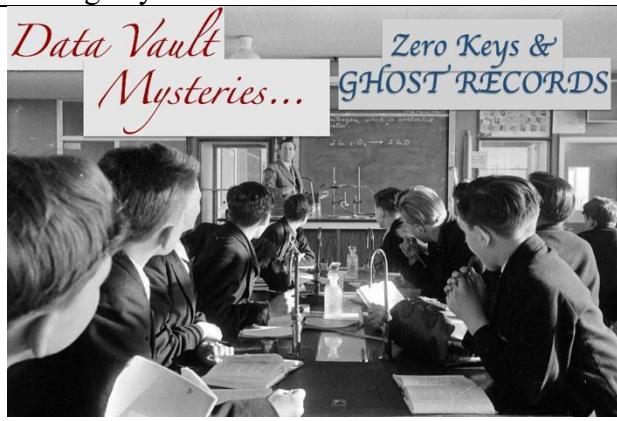
Category	Article	Keywords	URL
Modelling & Snowflake	 <p>Data Vault PIT Flow Manifold. A little bit of Snowflake engineering in Conditional Multi-Table INSERTS and Point in Time (PIT) tables</p>	Point in time, PIT, as_of, Conditional Multi-Table Insert, Snowflake	bit.ly/3iEkBJC bit.ly/3uNJVUn
Modelling	 <p>The Lost Art of Building Bridges FOR DATA VAULT The Lost Art of Building Bridges Where to use Bridge Tables and what problems do they solve?</p>	Bridge table, query assistance	bit.ly/3MFnXZr bit.ly/3PCTKMJ

Category	Article	Keywords	URL
Snowflake	 <p>Data Vault's XTS pattern on Snowflake Solving Time Crime in Data Vault, using Snowflake. How does the timeline correction pattern perform on Snowflake?</p>	Snowflake, Extended Record Tracking Satellite, XTS	bit.ly/3aCCRhQ bit.ly/3rvZduO
Modelling & Snowflake	 <p>Data Vault Agility on Snowflake Partly inspired by Tron! Some practical consideration for deploying a Data Vault on Snowflake and taking advantage of some little-known nuances of the platform.</p>	Testing, Data Quality, Business Architecture, Source-System Data Vault, Passive Integration, Multi- tenancy	bit.ly/337Jhp3 bit.ly/3sxzmSe

Category	Article	Keywords	URL
Snowflake	 <p>Kappa Vault</p> <p>Ease of use of Snowflake for Data Vault streaming pipelines, how the loading patterns have changed</p>	Data Pipelines, Streaming, Streams & Tasks	bit.ly/3JbRf05 bit.ly/3CEGYY1
Modelling & Integration	 <p>You might be doing #datavault Wrong!</p> <p>A long list of considerations when building your Data Vault, what to do, and not to do!</p>	business architecture, enterprise architecture, business objects, raw vault, business processes, automation, passive integration	bit.ly/2V32eFu bit.ly/3GwJX51
Modelling & Practice		Business Vault, Unit of Work, Auditability, Dependent-Child	bit.ly/3n9zIx8 bit.ly/3lGvevA bit.ly/2PXDI5w

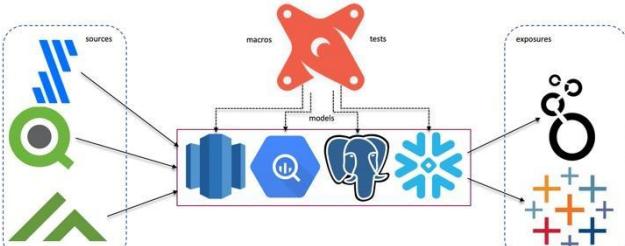
Category	Article	Keywords	URL
	<p>Seven Deadly Sins of Fake Vault Born out of observing Data Vault implementation seen in the wild that do not follow the standards, DV2 practitioners have seen various unguided interpretations; these are the main sins we see in the industry</p> <p>Theme and images inspired by Seven and Milton</p>	Keys, Weak Hubs, Source System Data Vault, Business Key Collision Code, Staggered Load, Sequence Key, Link Satellite, Satellite Splitting, Refactor, Schema Evolution	
Modelling	 <p>Data Vault Mysteries... Business Vault Just what is a Business Vault and why is its creation a mystery, it really shouldn't be if you follow the standards! Theme based on 1950s culture and story telling</p>	Business Vault, Raw Vault, Business Key, Unit of Work, Business Process, Change Record, Derived Content, PITs and Bridges, Point in Time, PIT, Bridge, Information Mart	bit.ly/3BUt81s bit.ly/3rfV7V3 bit.ly/3m9NXQA
Modelling		Business Vault, Raw Vault, Business Process, Business Rules, PITs and Bridges, Information Marts, Auditability	bit.ly/3L5qLP9 bit.ly/3GsWZAF

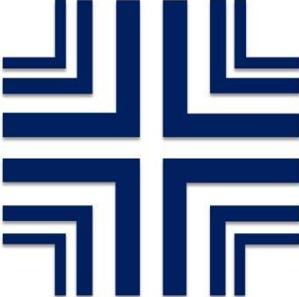
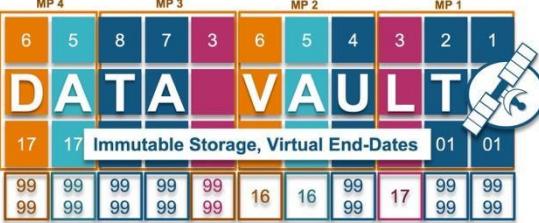
Category	Article	Keywords	URL
	<p>Is it Business Vault or is it not?</p> <p>An often-foggy area of Data Vault is how to define a Business Vault, here is some guidance</p>		
Modelling	 <p>The illustration depicts a man in 18th-century attire holding a framed portrait of Leonhard Euler. In the background, there's a bridge over a river with seven bridges connecting landmasses. A woman in a green dress stands on the left bank. The text "Spark GraphX and the Seven Bridges of Königsberg" is at the top left, and a quote by Pierre-Simon Laplace is at the bottom: "Read Euler, read Euler, he is the master of us all." - Pierre-Simon Laplace</p> <p>Apache Spark GraphX and the Seven Bridges of Königsberg</p> <p>An example of building a Business Vault Link but using Big Data (Spark + Parquet) to get there. Theme inspired by the story of Euler and the origins of Graph theory</p>	Business Vault, Spark, Big Data, Graph, Link, Graphx, Pregel, Euler	bit.ly/3EQ9wO3 bit.ly/3J7JR5y bit.ly/3ezZ6Wh
Modelling	 <p>BUSINESS AND SOURCE-SYSTEM UNIT OF WORK (THEY'RE NOT ALWAYS THE SAME)</p> <p>Business and Source-System Unit of Work</p>	Business Vault Link	bit.ly/3DJrRhO bit.ly/3x3LPQA

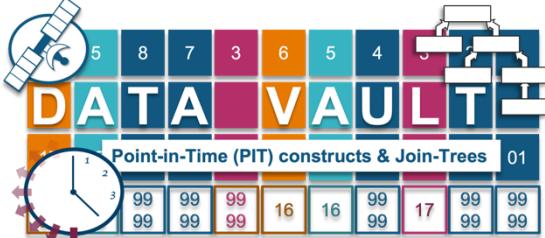
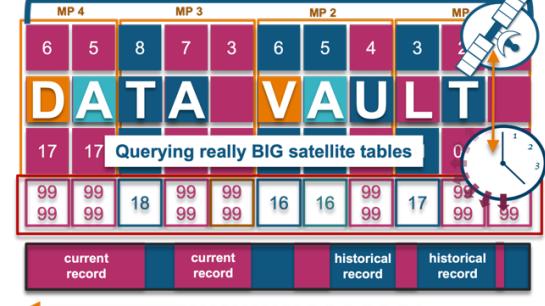
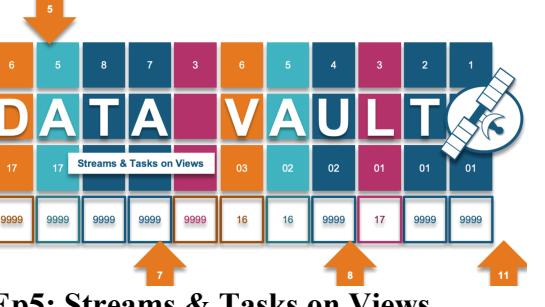
Category	Article	Keywords	URL
	Why complexity should be hidden from the business user and solved in the data vault		
Modelling	 <p>Data Vault Mysteries... Effectivity Satellite and Driver Key Just what does the Effectivity Satellite solve? And why do you need to define a driving key for it?</p>	Effectivity Satellite, Driving Key, relationship, link, unit of work	bit.ly/3oS4k70 bit.ly/3lQosU9 bit.ly/3vTn1rA
Modelling	 <p>Data Vault Mysteries... Zero Keys & Ghost Records</p>	ghost records, point in time, pit, zero keys, nulls, default keys	bit.ly/3vjTXdg bit.ly/3ccwMcq

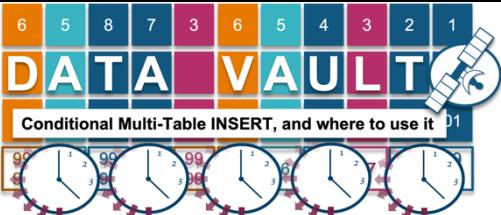
Category	Article	Keywords	URL
	DV2.0 has a few esoteric concepts, this article describes the difference between default keys, ghost records and zero keys		
Modelling	 <p>Say NO to Refactoring DATA MODELS! Data Vault has the answer!</p> <p>Say NO to Refactoring Data Models! Facing the same problems every data platform face is the challenge of making changes without regression testing and escalating costs. Sticking to the Data Vault 2.0 patterns rises to that challenge by promoting data agility.</p>	Refactor, Business Key, Kimball, Inmon, Patterns, Schema Evolution, Schema Drift, Extended Record Tracking Satellite, XTS, Time Crime	bit.ly/3iEiHZB bit.ly/3gssD6C
Modelling	 <p>Data Vault Naming Standards Theory behind what naming standards should look like</p>	Naming standards	bit.ly/3GMnT8O bit.ly/3iQpEJX
Modelling		Business Key Collision Code, BKCC, Passive Integration, Business Key, Hub	bit.ly/3xIFK0s bit.ly/3BIziSh bit.ly/371PykS

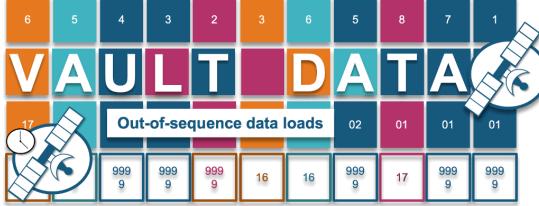
Category	Article	Keywords	URL
	<p>A Rose by any other name... Wait.. is it still the same Rose? Initially this article was released on Valentine's Day, it delves into Passive Integration and Business Key Collision Codes by way of an example.</p>		
Modelling & Practice	<p>the data vault guru a pragmatic guide on building a data vault</p> <p>The Data Vault Guru: a pragmatic guide on building a data vault A summary of what is in the book</p>	Book	bit.ly/3bcayaO bit.ly/3tXoyNK
Integration	 <p>Data Vault has a new Hero Originally titled “Solving Time Crime in Data Vault 2.0”; this article delves into how to deal with batch data that arrives out of sequence; this is an authorised extension of the DV2.0 standards called the eXtended Record Tracking Satellite (XTS). A data driven approach to dynamically enable the DV model to self-heal.</p>	XTS, Extended Record Tracking Satellite, Timeline Correction, Self-Heal, Applied Date	bit.ly/3y4mUdV bit.ly/39jjf19 bit.ly/3dlVDJn
Integration	 <p><i>How I can get away without paying the Pied Piper... ...in Data Vault</i></p>	PIT, Point in Time, Ghost Record	bit.ly/3mNxuD9 bit.ly/3iBfAzh

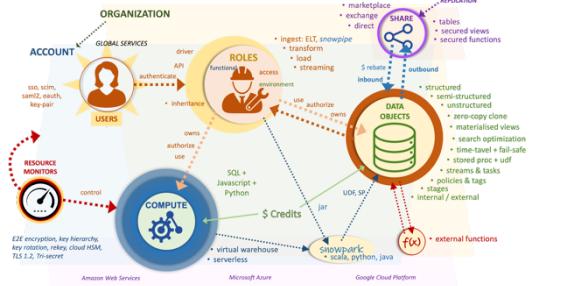
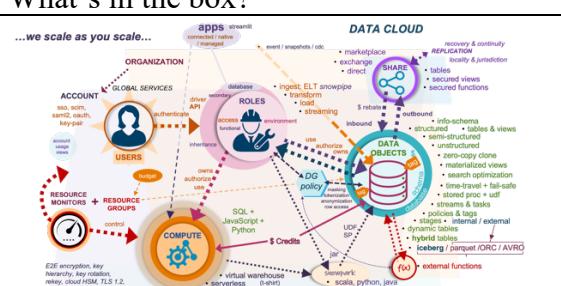
Category	Article	Keywords	URL
	<p>How I can get away without paying the Pied Piper... in Data Vault 2.0</p> <p>What you learn on DV2.0 training is that a Data Vault model is not easy to query, to make it easier and to support your Information Models you build Point-in-Time and/or Bridge tables but the expense of querying the data vault is pushed to the creation of the PIT tables themselves. But what if you don't have to?</p>		
Modelling & Integration	 <p>Business Key Treatments</p> <p>What do you do when a source provides business keys that don't quite follow the standard business key assignment best practices? An approach to ensure passive integration without sacrificing automation.</p>	Business Key, Business Key Treatment, Passive Integration, Hub, Hashing	bit.ly/2YnlSh0 bit.ly/3pgNJaK
Modelling & Integration	 <p>What does dbt give you?</p> <p>A gloss over dbt and its power of transformation</p>	dbt, integration	bit.ly/3kyExhZ bit.ly/3ok9PsF

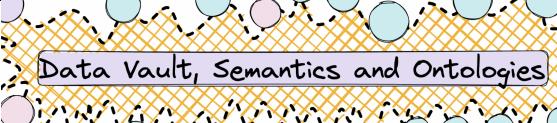
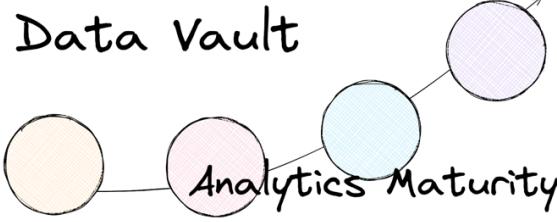
Category	Article	Keywords	URL
Integration & Modelling	 <p>Passive integration explained... Another take on explaining passive integration</p>	Passive Integration	bit.ly/3pTWCXP
Modelling & Snowflake (animated series) 1/12	 <p>Ep1: Immutable Store, Virtual End-Dates Why Snowflake is well suited for Data Vault</p>	Snowflake, virtual end-dates, micro-partitions, devops	bit.ly/3LWR8qR bit.ly/38fAy6H bit.ly/3P98LWr
Modelling & Snowflake (animated series) 2/12	 <p>Ep2: Snowsight dashboards for Data Vault Using Snowsight for Data Observability over a Data Vault</p>	Snowsight, Test Automation	bit.ly/3QPhM7T bit.ly/3bLgtXj bit.ly/3bSZTEY

Category	Article	Keywords	URL
Modelling & Snowflake (animated series) 3/12	 <p>Ep3: Point-in-Time constructs & Join Trees How to build PIT tables to solve getting data out of a Data Vault</p>	Point-in-Time, PIT, Join Tree, Right Deep Join Tree	bit.ly/3wfCBAG bit.ly/3PNZJgr bit.ly/3pHEbaN
Modelling & Snowflake (animated series) 4/12	 <p>Ep4: Querying really BIG satellite tables A look at how to use Dynamic Pruning to solve querying of really big satellite tables</p>	BIG Satellite, Dynamic Pruning, Static Pruning	bit.ly/3BcuRkE bit.ly/3eWpEpv bit.ly/3xxk6s0
Modelling & Snowflake (animated series) 5/12	 <p>Ep5: Streams & Tasks on Views Animated version of Kappa Vault</p>	Streams on Views, Streams & Tasks, Set & Forget	bit.ly/3Smfi0u bit.ly/3BJDJ1r bit.ly/3SCdO2A

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Modelling & Snowflake (animated series) 6/12	 <p>Ep6: Conditional Multi-Table INSERT, and where to use it Another look at building PIT Flow Manifold</p>	PIT, Manifold, Query Assistance	bit.ly/3C9YPhw bit.ly/3y8NHIA bit.ly/3ybXZb5
Modelling & Snowflake (animated series) 7/12	 <p>Ep7: Row Access Policies + Multi-Tenancy How to combine multi-tenancy in Data Vault with Row Access Policies</p>	RAP, Row Access Policy, Multi-tenancy	bit.ly/3CwfOmf bit.ly/3VxqvxD bit.ly/3yHfdNC
Modelling & Snowflake (animated series) 8/12	 <p>Ep8: Hub locking on Snowflake An interactive look at hub table locking in Snowflake, transaction isolation levels</p>	Transaction isolation, READ committed, hub locking	bit.ly/3Wbxsvo bit.ly/3DXbDIL bit.ly/3DK1mJj
Modelling & Snowflake (animated series) 9/12	 <p>Ep10: Virtual Warehouses & Charge Back</p>	Chargeback, virtual warehouse, resource monitor, data architecture	bit.ly/3EsV2F7 bit.ly/3VdKdO7 bit.ly/3gn0phc

Category	Article	Keywords	URL
	An approach on how to deploy your data architecture to suite Data Vault and a Charge-back model		
Modelling & Snowflake (animated series) 10/12	 <p>Ep9: Out-of-sequence data How do you handle data that arrives out of sequence dynamically and without needing to replay your loads?</p>	Out of sequence, extended record tracking satellite	bit.ly/3WsRjzD bit.ly/3TffRJJ bit.ly/3zTz0dt
Modelling & Snowflake (animated series) 11/12	 <p>[BONUS]: Handling Semi-Structured Data An easy framework for handling semi-structured data in data vault on Snowflake</p>	Semi-structured, streaming, business vault	bit.ly/3UmB4Sn bit.ly/3XNGFUU bit.ly/3EVzgdo
Modelling & Snowflake (animated series) 12/12	 <p>[BONUS] Episode 12: Feature Engineering & Business Vault How Data Vault can support with Data Science</p>	Feature Store, Machine Learning, Business Vault	bit.ly/3Zt6adM bit.ly/3U43jac bit.ly/3zkQzCh

Category	Article	Keywords	URL
Snowflake	 <p>Snowflake, the Data Cloud What's in the box?</p>	Snowflake architecture	bit.ly/3xO2B7Y bit.ly/36Ho2we
Snowflake	 <p>Snowflake, the Data Cloud (2023) What's in the box now in 2023?</p>	Snowflake architecture	bit.ly/3IWmKg3 bit.ly/3J21WoE
Snowflake & Data Vault & DDD	 <p>1. Data Vault and Domain Driven Design Delve into DDD and DV</p>	Data Mesh, Domain Driven Design, DDD	bit.ly/3KMPSGS bit.ly/3QkJkj
Snowflake & Data Vault & Data Products		Data Mesh, Domain Driven Design, DDD	bit.ly/3TYHrfY bit.ly/3qeiC1M

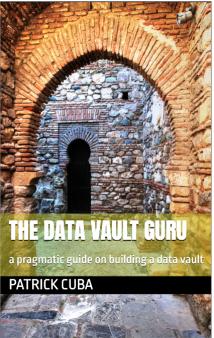
Category	Article	Keywords	URL
	<p>2. Data Vault as a Product Expanding on DDD with Data Products through a DV</p>		
Snowflake & Data Vault & Data Mesh	 <p>3. Data Vault and Domain Oriented Architecture Architecture patterns for Data Mesh and Data Vault</p>	Data Vault, Data Mesh, Architecture	bit.ly/3qmUeLz bit.ly/3Qr3Tvd
Snowflake & Data Vault & Semantic Layer & Domain Ontology	 <p>4. Data Vault semantics & ontologies Final blog, linking Data Vault to the Semantic Layer and Domain Ontologies</p>	Data Vault, Domain Ontologies	bit.ly/3RNH9GD bit.ly/3qqQlW0
Snowflake & Data Vault & Semantic Layer & Domain Ontology	 <p>5-Data Vault and Analytics Maturity Bonus blog discussing Data Vault and other methods for framing and modelling data</p>	Kimball, Inmon, Framework, DCAM, DAMA, DMBoK	bit.ly/3SrPqQt bit.ly/3Tzf1bA

Category	Article	Keywords	URL
Complete Catalogue	 <p>The Data Vault Must Flow Completes the series and commitment to writing Data Vault on Snowflake content</p>	Data Vault, Snowflake	bit.ly/3w9reK6 bit.ly/3ZDoKRI

Advent Calendar

1. Business keys (... and to learn Data Vault), <https://bit.ly/3ZnRWLv>
2. Surrogate keys (... and why Data Vault 2.0), <https://bit.ly/3Zm8Bzd>
3. Satellites (... and a Data Vault pitch), <https://bit.ly/3StQncV>
4. Links (Unit of Work) (... and defining a Business Vault Link), <https://bit.ly/3IB2T5x>
5. Multi-Active Satellites (... and the Data Vault Guru), <https://bit.ly/3xTSDk3>
6. Driving Key (... and Effectivity Satellites), <https://bit.ly/3EFrvsM>
7. Raw Vault (... and say NO to refactoring data models), <https://bit.ly/3IUe374>
8. Business Vault (... and how to build it), <https://bit.ly/41nxQD7>
9. Hierarchy Link (... and Seven Deadly Sins of Fake Vault), <https://bit.ly/3m9Xr2c>
10. Zero-key (... and why it is different to Ghost Records), <https://bit.ly/3Iwfgjn>
11. Same-as link (... and what to do with Dead Data), <https://bit.ly/3ZqEWV1>
12. Status Tracking Satellite (STS... and [#DataOps](#)), <https://bit.ly/3xT2J4T>
13. Insert-only architecture (... and Data Vault on [#Snowflake](#)), <https://bit.ly/41uoKnR>
14. Record Tracking Satellite (RTS... and Building a Data Vault through the Mob), <https://bit.ly/41rj4LA>
15. Business Key Collision Codes, <https://bit.ly/3IzZvb7>
16. Business Key Treatments, <https://bit.ly/3Zq0Fga>
17. Extended Record Tracking Satellite (XTS), <https://bit.ly/3ZsFoCN>
18. Multi-tenancy (... and XTS on Snowflake), <https://bit.ly/3ZqHAc6>
19. Non-historised Link (... and an article on [#dbt](#)), <https://bit.ly/3ZIHNz1>
20. Record Source (... and Why Equi-Joins Matter), <https://bit.ly/3Zq0ZLU>
21. Load Date (... and Automated Data Vault Testing and [#Snowflake](#)'s [#snowsight](#) dashboard), <https://bit.ly/3maQ5eV>
22. Applied Date (.. and why you might be doing Data Vault Wrong), <https://bit.ly/41wBQRC>
23. Ghost Records (.. and how it differs to Zero Keys), <https://bit.ly/41rjn9c>
24. PITs & Bridges (.. and a PIT Flow Manifold using Multi-Table Insert), <https://bit.ly/3IX3xf9>
25. Dependent-child keys (... and Data Vault Recipes), <https://bit.ly/3Y64Xsf>

Book 1

Title	Description	URL
the data vault guru a pragmatic guide on building a data vault 	<p>The data vault methodology presents a unique opportunity to model the enterprise data warehouse using the same automation principles applicable in today's software delivery, continuous integration, continuous delivery and continuous deployment while still maintaining the standards expected for governing a corporation's most valuable asset: data. This book provides at first the landscape of a modern architecture and then as a thorough guide on how to deliver a data model that flexes as the enterprise flexes, the data vault. Whether the data is structured, semi-structured or even unstructured one thing is clear, there is always a model either applied early (schema-on-write) or applied late (schema-on-read). Today's focus on data governance requires that we know what we retain about our customers, the data vault provides that focus by delivering a methodology focused on all aspects about the customer and provides some of the best practices for modern day data compliance.</p> <p>The book will delve into every data vault modelling artefact, its automation with sample code, raw vault, business vault, testing framework, a build framework, sample data vault models, how to build automation patterns on top of a data vault and even offer an extension of data vault that provides automated timeline correction, not to mention variation of data vault designed to provide audit trails, metadata control and integration with agile delivery tools.</p>	US: https://amzn.to/3d7LsJV UK: https://amzn.to/3nsqTfR AU: https://amzn.to/30IxOYF DE: https://amzn.to/2TiAsAb FR: https://amzn.to/37yfnKl ES: https://amzn.to/3jl5tOr IT: https://amzn.to/37Awag6 NL: https://amzn.to/35sCpjC JP: https://amzn.to/3dNJgYq BR: https://amzn.to/3dRvIek CA: https://amzn.to/3jl5LVx MX: https://amzn.to/35pkslI IN: https://amzn.to/3jl65DJ

the data vault guru

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1 1	0 1	1 1	0 0
1 1	0 1 1	1 0 0	0 1 1
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1 0	0 0 1 1	1 1 1 1	0 1 1 0
0 1	0 0 0 0	0 1 0	0 1 1 1
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0	0 0	1 1 1	0 1
0	1	0 0	1
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a pragmatic guide on building a data vault

Part 1: Agile Delivery with Data Vault

CHAPTER 1: What is Data Vault?

CHAPTER 2: Architecture, Governance and Audit

CHAPTER 3: Keys, Time and Model Metadata

Part 3: Data Vault Automation

CHAPTER 7: Automation & Orchestration

*CHAPTER 8: Extended Record Tracking Satellite
(data-driven timeline correction)*

CHAPTER 9: Test framework

Part 2: Data Vault Modelling

CHAPTER 4: RAW VAULT

CHAPTER 5: BUSINESS VAULT

CHAPTER 6: Peripheral tracking satellites

Part 4: Data Vault Consumption

CHAPTER 10: Getting the data out

CHAPTER 11: Query assistance

Part 5: Data Vault Variations

CHAPTER 12: Building schematic

CHAPTER 13: Data vault everywhere

Other

- Snowflake Data Clean Room, bit.ly/3leDzSu and bit.ly/3PhM8P7
- Snowflake, the Data Cloud, bit.ly/3NJqfGO and bit.ly/36Ho2we
- Github - https://github.com/PatrickCuba/the_data_must_flow
- Data Vault UK Interview - bit.ly/3baadp9
- Data Vault UK Presentation - youtube.com/watch?v=7lUn3eBiuyU
- Data Vault Munich Presentation - youtube.com/watch?v=tRPgijauH2w
- Meet the Expert: Data Vault - bit.ly/3t1hBe1
- Snowflake Data Vault User Group: DataOps - bit.ly/3qbnm7P
- DataVault Interview - data-vault.co.uk/patrick-cuba-interview/
- Integrating SAS and Data Vault, bit.ly/2YUw1xT
- Data Mapping, bit.ly/3s0kcEj, bit.ly/32FnFQI
- 3 Ways to load data into SQL Server MDS, bit.ly/3mirbsb
- My Hash of Hashes, bit.ly/2MGKE5L
- SAS indexing tricks, bit.ly/2L9gsiW
- SAS Parallelism, bit.ly/3oiQubn
- SAS SQL vs Data Step part 3, bit.ly/3s0Hbie
- SAS SQL Join vs Data Step Merge part 2, bit.ly/3nnfNaF
- SAS Hash Tables, bit.ly/3hPSwxg
- SAS Data Step Merge vs SQL Joins, bit.ly/3be5jIf