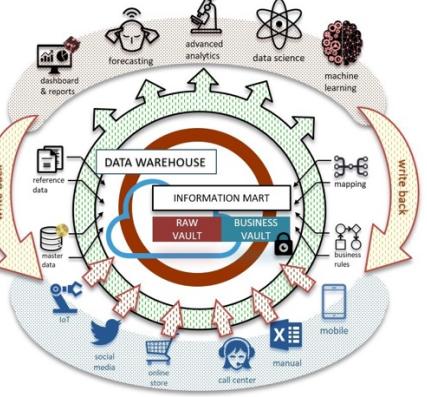
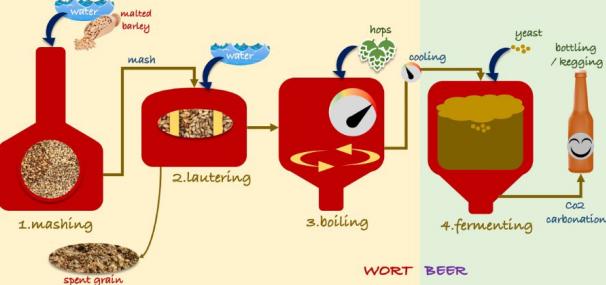
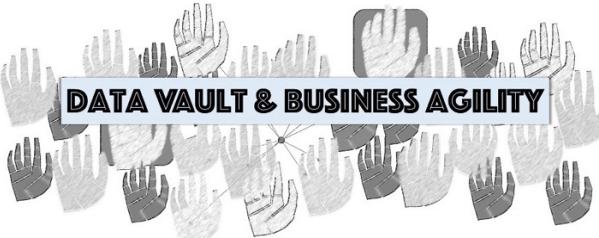
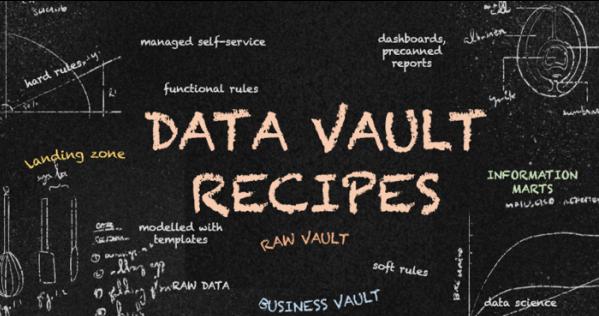


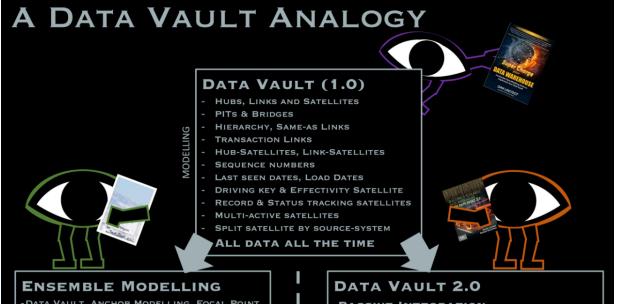
# Full Catalogue of Data Vault content



## Blog Catalogue

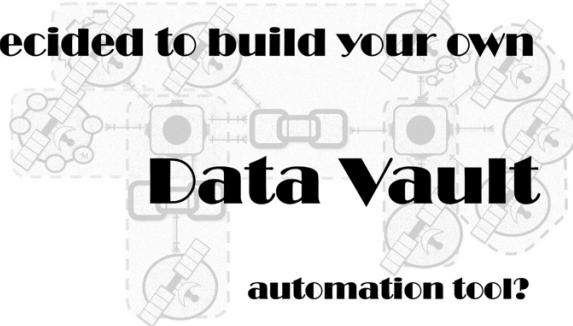
Category	Article	Keywords	URL
Practice	 <p><b>Advantage Data Vault 2.0</b> Highlighting what DV2.0 gives any other interpretation of DV</p>	Data Vault 2.0	<a href="https://bit.ly/2ZZILcv">bit.ly/2ZZILcv</a> <a href="https://bit.ly/2II5fVt">bit.ly/2II5fVt</a>
Practice	 <p><b>Learning Data Vault is Like Learning How to Make Beer!</b> 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	<a href="https://bit.ly/2ZYGpJP">bit.ly/2ZYGpJP</a> <a href="https://bit.ly/3GwZ12r">bit.ly/3GwZ12r</a>

Category	Article	Keywords	URL
Practice	 <p><b>Data Vault or: how I learnt to stop worrying and love Data Governance</b>    Following an Atomic Space Age theme, a glimpse into Data Vault with DataOps</p>	DataOps, GDPR, CCPA, Data Governance, Satellite Splitting, Auditability	<a href="https://bit.ly/3vhEDxJ">bit.ly/3vhEDxJ</a> <a href="https://bit.ly/35xhVGL">bit.ly/35xhVGL</a>
Practice & Modelling	 <p><b>Time to upgrade your thinking on Data Vault</b>    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	<a href="https://bit.ly/3fUL7fN">bit.ly/3fUL7fN</a> <a href="https://bit.ly/335dqW1">bit.ly/335dqW1</a>
Practice		Enterprise Architecture, Solution Architecture, Business Architecture, Business Process, Capability Map, Raw Vault, Business	<a href="https://bit.ly/2WEWCSw">bit.ly/2WEWCSw</a> <a href="https://bit.ly/3gM1k7H">bit.ly/3gM1k7H</a>

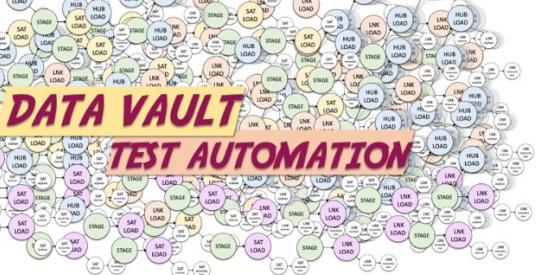
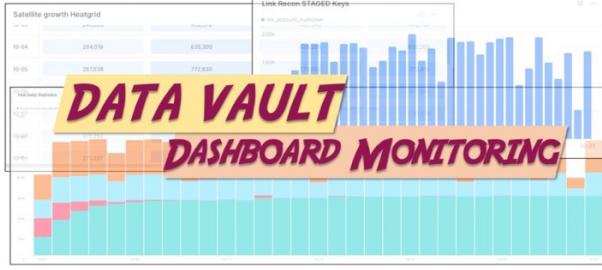
Category	Article	Keywords	URL
	<p><b>Data Vault Recipes</b>  A holistic look at what it means to adopt Data Vault 2.0 methodology, inspired by baking of course!</p>	Objects, Business View, Technical Debt, Business Vault, Information Mart, Data Delivery, Data Quality	
Practice	 <p><b>a DATA VAULT ANALOGY</b></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	<a href="https://bit.ly/39o9qPX">bit.ly/39o9qPX</a> <a href="https://bit.ly/3so8qo3">bit.ly/3so8qo3</a>
Practice	 <p><b>Data vault Pitch</b></p>	Agility, Agnostic, Automation, Auditability	<a href="https://bit.ly/2RyoRjv">bit.ly/2RyoRjv</a> <a href="https://bit.ly/3qSmjIz">bit.ly/3qSmjIz</a>

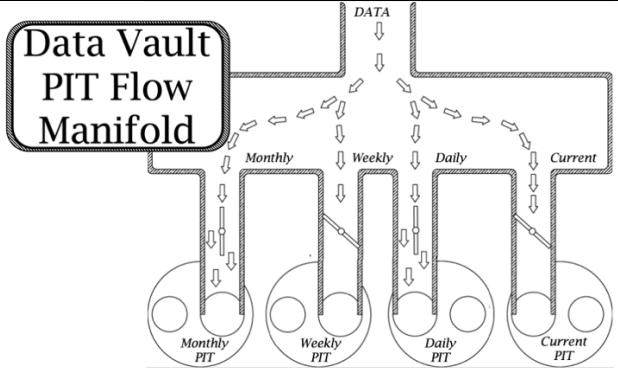
Category	Article	Keywords	URL
	<p><b>Data Vault Elevator Pitch</b>  One's point of view is usually biased toward their own interests, and it is the same when you pitch a Data Vault to different professions within a business.</p>		
Practice	 <p><b>Data Vault Dream Team</b>  Ideas on how to get a Data Vault project started and build momentum</p>	Team, Community of Practice, DVBoK, Consulting	<a href="https://bit.ly/3uHne3N">bit.ly/3uHne3N</a> <a href="https://bit.ly/33bU2qn">bit.ly/33bU2qn</a>
Practice & Modelling	 <p><b>Building Data Vault modelling capability through the Mob</b>  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	<a href="https://bit.ly/3zgP7OP">bit.ly/3zgP7OP</a> <a href="https://bit.ly/2NiceTN">bit.ly/2NiceTN</a>

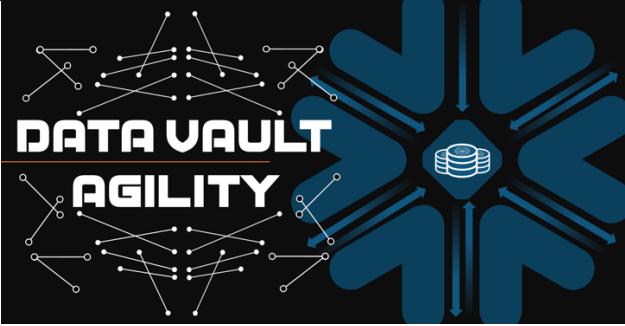
Category	Article	Keywords	URL
Practice	 <p><b>Bring out your Dead... Data</b> The first DV article on consideration on what to do with defunct data! Inspired by Pet Semetary, Poltergeist and the Sixth Sense!</p>	deprecated data, GDPR, freshness, observability	<a href="https://bit.ly/3o8To3m">bit.ly/3o8To3m</a> <a href="https://bit.ly/3Lh6pCP">bit.ly/3Lh6pCP</a>
Modelling	 <p><b>Data Vault Industry Verticals</b> 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	<a href="https://bit.ly/3tIckuf">bit.ly/3tIckuf</a> <a href="https://bit.ly/34hHezy">bit.ly/34hHezy</a>

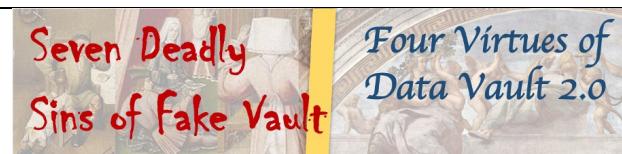
Category	Article	Keywords	URL
Modelling	 <p><b>Data Vault Loader Traps</b> Articulating some of the pitfalls of not doing a Data Vault properly!</p>	Satellites, Multi-table insert, Semi-structure function, Hashing	<a href="https://bit.ly/3tqwAQU">bit.ly/3tqwAQU</a> <a href="https://bit.ly/34Duine">bit.ly/34Duine</a>
Modelling & Integration	 <p><b>Decided to build your own Data Vault automation tool?</b> 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	<a href="https://bit.ly/3bRIV7U">bit.ly/3bRIV7U</a> <a href="https://bit.ly/35XZ0YX">bit.ly/35XZ0YX</a>

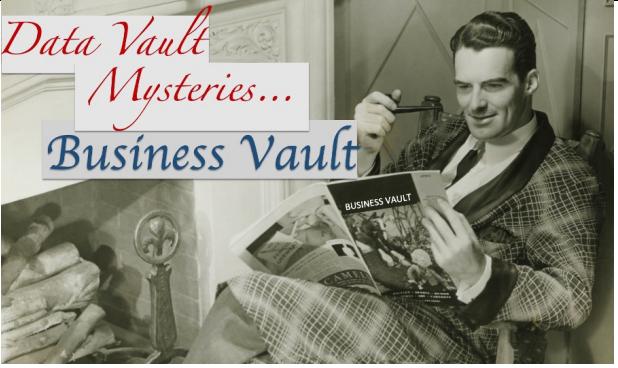
Category	Article	Keywords	URL
Snowflake	<p><b>Data Vault 2.0 on Snowflake...</b></p> <p>...to hash or not to hash... that is the question...</p>  <p><b>Data Vault 2.0 on Snowflake...To hash or not to hash... that is the question</b></p> <p>To hash or not to hash on Snowflake...? An article justifying 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	<a href="https://bit.ly/3dn83n8">bit.ly/3dn83n8</a> <a href="https://bit.ly/3rH7gS5">bit.ly/3rH7gS5</a>
Modelling & Snowflake	 <p><b>Why EQUIJOINs Matter!</b></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	<a href="https://bit.ly/3dBxOQK">bit.ly/3dBxOQK</a> <a href="https://bit.ly/3Bci9BV">bit.ly/3Bci9BV</a>

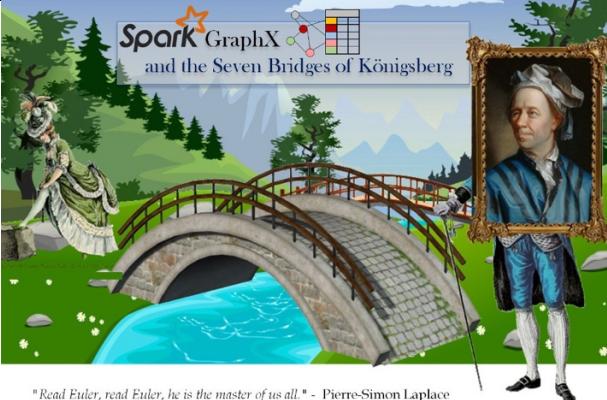
Category	Article	Keywords	URL
Modelling & Snowflake	 <p><b>Data Vault Test Automation</b> Reconciliation between staged and target and between target tables is a must. This test framework is designed to keep the data vault implementation honest, and it is insert-only as well.</p>	Reconciliation, Test Automation, Hubs, links and satellites, staging, business keys, unit of work	<a href="https://bit.ly/3dUHPIS">bit.ly/3dUHPIS</a> <a href="https://bit.ly/3shb5jq">bit.ly/3shb5jq</a>
Snowflake	 <p><b>Data Vault Dashboard Monitoring</b> 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	<a href="https://bit.ly/3BjSg1F">bit.ly/3BjSg1F</a> <a href="https://bit.ly/3ryMdEM">bit.ly/3ryMdEM</a>

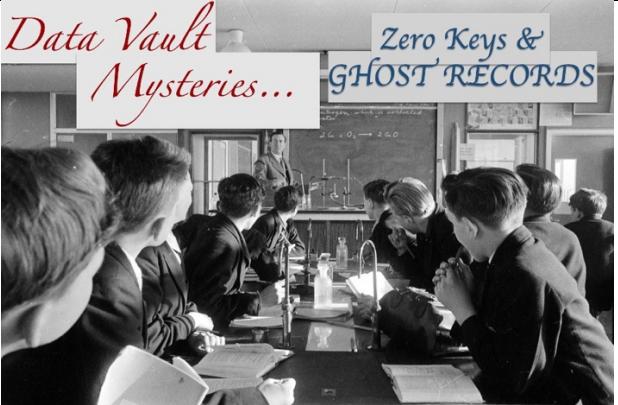
Category	Article	Keywords	URL
Modelling & Snowflake	 <p><b>Data Vault PIT Flow Manifold.</b> A little bit of Snowflake engineering in Conditional Multi-Table INSERTS and Point in Time (PIT) tables</p>	Point in time, PIT, as_of, Conditional Multi-Table Insert, Snowflake	<a href="https://bit.ly/3iEkBJC">bit.ly/3iEkBJC</a> <a href="https://bit.ly/3uNJVUn">bit.ly/3uNJVUn</a>
Snowflake	 <p><b>Data Vault's XTS pattern on Snowflake</b> Solving Time Crime in Data Vault, using Snowflake. How does the timeline correction pattern perform on Snowflake?</p>	Snowflake, Extended Record Tracking Satellite, XTS	<a href="https://bit.ly/3aCCRhQ">bit.ly/3aCCRhQ</a> <a href="https://bit.ly/3rvZduO">bit.ly/3rvZduO</a>

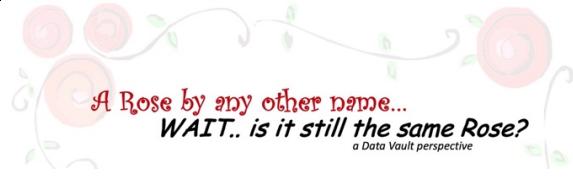
Category	Article	Keywords	URL
Modelling & Snowflake	 <p><b>Data Vault Agility on Snowflake</b>  Partly inspired by Tron! Some practical consideration for deploying a Data Vault on Snowflake and taking advantage of some little-known nuances of the platform.</p>	Testing, Data Quality, Business Architecture, Source-System Data Vault, Passive Integration, Multi-tenancy	<a href="https://bit.ly/337Jhp3">bit.ly/337Jhp3</a> <a href="https://bit.ly/3sxzmSe">bit.ly/3sxzmSe</a>
Snowflake	 <p><b>Kappa Vault</b>  Ease of use of Snowflake for Data Vault streaming pipelines, how the loading patterns have changed</p>	Data Pipelines, Streaming, Streams & Tasks	<a href="https://bit.ly/3JbRf05">bit.ly/3JbRf05</a> <a href="https://bit.ly/3CEGYY1">bit.ly/3CEGYY1</a>

Category	Article	Keywords	URL
Modelling & Integration	 <p><b>You might be doing #datavault Wrong!</b> 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	<a href="https://bit.ly/2V32eFu">bit.ly/2V32eFu</a> <a href="https://bit.ly/3GwJX51">bit.ly/3GwJX51</a>
Modelling & Practice	 <p><b>Seven Deadly Sins of Fake Vault</b> 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>	Business Vault, Unit of Work, Auditability, Dependent-Child Keys, Weak Hubs, Source System Data Vault, Business Key Collision Code, Staggered Load, Sequence Key, Link Satellite, Satellite Splitting, Refactor, Schema Evolution	<a href="https://bit.ly/3n9zIx8">bit.ly/3n9zIx8</a> <a href="https://bit.ly/3lGvevA">bit.ly/3lGvevA</a>

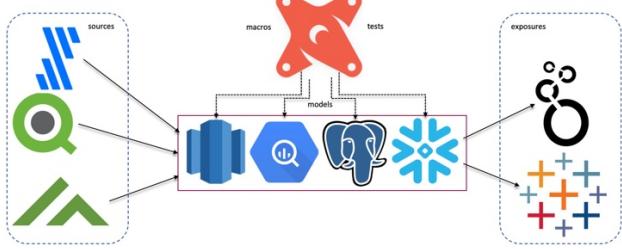
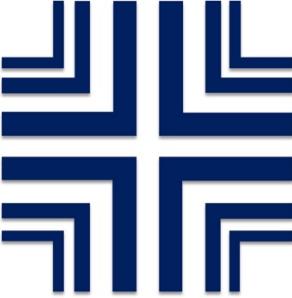
Category	Article	Keywords	URL
Modelling	 <p><b>Data Vault Mysteries... Business Vault</b>  Just what is a Business Vault and why is its creation a mystery, it really shouldn't be if you follow the standards!  Theme based on 1950s culture and story telling</p>	Business Vault, Raw Vault, Business Key, Unit of Work, Business Process, Change Record, Derived Content, PITs and Bridges, Point in Time, PIT, Bridge, Information Mart	<a href="https://bit.ly/3BUt81s">bit.ly/3BUt81s</a> <a href="https://bit.ly/3rfV7V3">bit.ly/3rfV7V3</a>
Modelling	 <p><b>Is it Business Vault or is it not?</b>  An often-foggy area of Data Vault is how to define a Business Vault, here is some guidance</p>	Business Vault, Raw Vault, Business Process, Business Rules, PITs and Bridges, Information Marts, Auditability	<a href="https://bit.ly/3L5qLP9">bit.ly/3L5qLP9</a> <a href="https://bit.ly/3GsWZAF">bit.ly/3GsWZAF</a>

Category	Article	Keywords	URL
Modelling	 <p>"Read Euler, read Euler, he is the master of us all." - Pierre-Simon Laplace</p> <p><b>Apache Spark GraphX and the Seven Bridges of Königsberg</b>  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	<a href="https://bit.ly/3EQ9wO3">bit.ly/3EQ9wO3</a> <a href="https://bit.ly/3J7JR5y">bit.ly/3J7JR5y</a> <a href="https://bit.ly/3ezZ6Wh">bit.ly/3ezZ6Wh</a>
Modelling	 <p><b>Data Vault Mysteries... Effectivity Satellite and Driver Key</b>  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	<a href="https://bit.ly/3oS4k70">bit.ly/3oS4k70</a> <a href="https://bit.ly/3lQosU9">bit.ly/3lQosU9</a>

Category	Article	Keywords	URL
Modelling	 <p><b>Data Vault Mysteries... Zero Keys &amp; Ghost Records</b> DV2.0 has a few esoteric concepts, this article describes the difference between default keys, ghost records and zero keys</p>	ghost records, point in time, pit, zero keys, nulls, default keys	<a href="https://bit.ly/3vjTXdg">bit.ly/3vjTXdg</a> <a href="https://bit.ly/3ccwMcq">bit.ly/3ccwMcq</a>
Modelling	 <p><b>Say NO to Refactoring DATA MODELS!</b> Data Vault has the answer!</p> <p><b>Say NO to Refactoring Data Models!</b> 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	<a href="https://bit.ly/3iEiHZB">bit.ly/3iEiHZB</a> <a href="https://bit.ly/3gssD6C">bit.ly/3gssD6C</a>

Category	Article	Keywords	URL
Modelling	 <p><b>A Rose by any other name... Wait.. is it still the same Rose?</b> 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>	Business Key Collision Code, BKCC, Passive Integration, Business Key, Hub	<a href="https://bit.ly/3xIFK0s">bit.ly/3xIFK0s</a> <a href="https://bit.ly/3BIziSh">bit.ly/3BIziSh</a>
Modelling & Practice	<p><b>the data vault guru</b> a pragmatic guide on building a data vault</p> <p><b>The Data Vault Guru: a pragmatic guide on building a data vault</b> A summary of what is in the book</p>	Book	<a href="https://bit.ly/3bcayaO">bit.ly/3bcayaO</a> <a href="https://bit.ly/3tXoyNK">bit.ly/3tXoyNK</a>
Integration	 <p><b>Data Vault has a new Hero</b> 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	<a href="https://bit.ly/3y4mUdV">bit.ly/3y4mUdV</a> <a href="https://bit.ly/39jjf19">bit.ly/39jjf19</a>

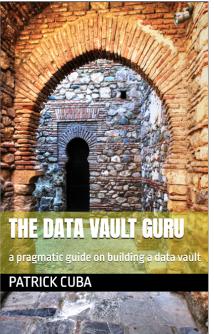
Category	Article	Keywords	URL
Integration	 <p><i>How I can get away without paying the Pied Piper... ...in Data Vault</i></p> <p><b>How I can get away without paying the Pied Piper... in Data Vault 2.0</b>    What you learn on DV2.0 training is that a Data Vault model is not easy to query, to make it 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>	PIT, Point in Time, Ghost Record	<a href="https://bit.ly/3mNxuD9">bit.ly/3mNxuD9</a> <a href="https://bit.ly/3iBfAzh">bit.ly/3iBfAzh</a>
Modelling & Integration	 <p><b>Business Key Treatments</b>    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	<a href="https://bit.ly/2YnlSh0">bit.ly/2YnlSh0</a> <a href="https://bit.ly/3pgNJaK">bit.ly/3pgNJaK</a>

Category	Article	Keywords	URL
Modelling & Integration	 <p><b>What does dbt give you?</b> A gloss over dbt and its power of transformation</p>	dbt, integration	<a href="https://bit.ly/3kyExhZ">bit.ly/3kyExhZ</a> <a href="https://bit.ly/3ok9PsF">bit.ly/3ok9PsF</a>
Integration & Modelling	 <p><b>Passive integration explained...</b> Another take on explaining passive integration</p>	Passive Integration	<a href="https://bit.ly/3pTWCXP">bit.ly/3pTWCXP</a>

## Advent Calendar

1. Business keys (... and to learn Data Vault), <https://bit.ly/3D7B0xf>
2. Surrogate keys (... and why Data Vault 2.0), <https://bit.ly/3xZtxzH>
3. Satellites (... and a Data Vault pitch), <https://bit.ly/31pVODx>
4. Links (Unit of Work) (... and defining a Business Vault Link), <https://bit.ly/32ZWEHy>
5. Multi-Active Satellites (... and the Data Vault Guru), <https://bit.ly/31A85or>
6. Driving Key (... and Effectivity Satellites), <https://bit.ly/3si25My>
7. Raw Vault (... and say NO to refactoring data models), <https://bit.ly/3mffrVQ>
8. Business Vault (... and how to build it), <https://bit.ly/3sh4eIy>
9. Hierarchy Link (... and Seven Deadly Sins of Fake Vault), <https://bit.ly/3e5ez1C>
10. Zero-key (... and why it is different to Ghost Records), <https://bit.ly/3F8Sw6e>
11. Same-as link (... and what to do with Dead Data), <https://bit.ly/3yD1vKu>
12. Status Tracking Satellite (STS... and [#DataOps](#)), <https://bit.ly/327LIYf>
13. Insert-only architecture (... and Data Vault on [#Snowflake](#)), <https://bit.ly/3Ff1AXq>
14. Record Tracking Satellite (RTS... and Building a Data Vault through the Mob), <https://bit.ly/3J0a8mX>
15. Business Key Collision Codes, <https://bit.ly/33GK28z>
16. Business Key Treatments, <https://bit.ly/3e14EtV>
17. Extended Record Tracking Satellite (XTS), <https://bit.ly/30FK2Ve>
18. Multi-tenancy (... and XTS on Snowflake), <https://bit.ly/3q90wh7>
19. Non-historised Link (... and an article on [#dbt](#)), <https://bit.ly/3p73MKP>
20. Record Source (... and Why Equi-Joins Matter), <https://bit.ly/3q4P324>
21. Load Date (... and Automated Data Vault Testing and [#Snowflake](#)'s [#snowsight](#) dashboard), <https://bit.ly/3FiA7UH>
22. Applied Date (.. and why you might be doing Data Vault Wrong), <https://bit.ly/3qen689>
23. Ghost Records (.. and how it differs to Zero Keys), <https://bit.ly/3GXKPjQ>
24. PITs & Bridges (.. and a PIT Flow Manifold using Multi-Table Insert), <https://bit.ly/3Ep8GHs>
25. Dependent-child keys (... and Data Vault Recipes), <https://bit.ly/30XPeDX>

## Book

Title	Description	URL
<b>the data vault guru</b> 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: <a href="https://amzn.to/3d7LsJV">https://amzn.to/3d7LsJV</a> UK: <a href="https://amzn.to/3nsqTfR">https://amzn.to/3nsqTfR</a> AU: <a href="https://amzn.to/30IxOYF">https://amzn.to/30IxOYF</a> DE: <a href="https://amzn.to/2TiAsAb">https://amzn.to/2TiAsAb</a> FR: <a href="https://amzn.to/37yfnKl">https://amzn.to/37yfnKl</a> ES: <a href="https://amzn.to/3jl5tOr">https://amzn.to/3jl5tOr</a> IT: <a href="https://amzn.to/37Awag6">https://amzn.to/37Awag6</a> NL: <a href="https://amzn.to/35sCpjC">https://amzn.to/35sCpjC</a> JP: <a href="https://amzn.to/3dNJgYq">https://amzn.to/3dNJgYq</a> BR: <a href="https://amzn.to/3dRvIek">https://amzn.to/3dRvIek</a> CA: <a href="https://amzn.to/3jl5LVx">https://amzn.to/3jl5LVx</a> MX: <a href="https://amzn.to/35pkslI">https://amzn.to/35pkslI</a> IN: <a href="https://amzn.to/3jl65DJ">https://amzn.to/3jl65DJ</a>

# the data vault guru

0		0	
1 0		0 1	
1 1	0 1	1 1	0 0
1 1	0 1 1	1 0 0	0 1 1
0 0	1 1 1 0	0 1 1	1 1 1
0 1	1 0 0 1	1 0 0 1	1 0 0 1
1 0	0 0 1 1	1 1 1 1	0 1 1 0
1 1	0 0 0 0	0 1 0	0 1 1 1
0 1	1 0 0 0	1 1 1	1 0 0 1
0 0	0 1 0	0 1 0	1 0 1 1
1 1	0 0	1 1 1	0 1
0	1	0 0	1
0		1	

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

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