



**RONIN.AE**  
Empowering Your Data

# TIDY YOUR DATA, IT'S A MESH!

## What is a Data Mesh

The concept of Data Mesh is not new, it was introduced by Zhamak Dehghani (Director of Emerging Technologies, Thoughtworks) in 2019. Zhamak was seeking to help define and articulate some of the data challenges that big businesses faced, watching the huge growth in big data in their super amazing data lakes, and somehow being able to measure business results based on that. In doing so, she started to look at data in a different way.

The foundation of a Data Mesh, and the reason why Ronin is so perfectly placed to provide you and your business with a fully operational Data Mesh, is the fact that a Data Mesh is technology agnostic and designed around your business principles & values.

It is generally accepted there are two “types” of data, Operational data and Analytical Data.

Operational data is mostly databases, sat behind applications, running your business and serving users. Analytical data is more around driving business optimization, improving user experience, training machine learning models and automated intelligence.

Sat in the middle, we have the ETL process, Extract – Transform – Load. A process that accepts the data from the Operational stores, turns it into something the analytical tools can use, and then delivers it. Not always at speed and certainly not always at scale.

Businesses needed something to speed this up, to give them a concept of scale, this created the Data Lake. Here we have the operational data sat at the top, supporting your customers, buying and selling your business assets, we have a process for taking that information, manipulating and modelling it into something usable, and then dropping it into your lake, so that your business users can use some form of interface to again potentially model and then collect the data and use it to support your business.

At the time, the idea of this giant data store, the data lake, was accepted as being much better than anything before, now we had big data, sat in a consistent platform, central to the business. Anyone could pop down to the lake with a bucket, and assuming it was the right bucket, they could scoop up some data and use it. However, speed was still an issue, as was scale. People started using words like Monolithic, legacy architecture, technology centric, ubiquitous data restricting the innovation agenda.



## The Solution

So how do we clean up this Mesh?

It began with a data first principle. Creating domains aligned with the data sources. This was about the ownership of the data. You can easily do this by simply looking at your own business lines and how they are distributed. Next, we look at data as a product, what is a product, why does someone want it, how easy is it to get and then use, is it safe and secure, is it easy to find, who is a user of data. We need to make this data self-serving, enable and empower the users to do this themselves without the need of a Data Wizard. Finally, we need governance, structure and controls, is your data and your infrastructure fit for purpose, can you execute against your business needs in this new data mesh.

## How can RONIN help?

Ronin recognized the value of the Data Mesh from the very start. Our platform is specifically built as a data first ecosystem. The value to you and your business is your data, and that value can be impacted immediately if you cannot use it, cannot trust it or cannot execute against it. Ronin is exceptional at discovering data and recognizing the value to your business. We don't hide your data from you, but quite the opposite, we show you your data and enable you to fully consume it. From the very millisecond your business creates its data, Ronin identifies it, applies your business logic, and then delivers it to the appropriate business user, at speed and scale. You become part of your own business data ecosystem, empowered by Ronin.

## About RONIN

Ronin is a recognized leader in the cyber & information security space. With a well defined and established history in delivering elite security solutions to our customers. Our renowned Offensive Security Research Unit delivers a huge array of bespoke security services ranging from penetration testing, application code assessment through to Threat Modelling and vCISO capabilities.

Ronin has created the first true Data Mesh, applying all of our security know-how into delivering the world's fastest and most secure platform. Founded in 2020, but born many years before, Ronin has successfully delivered an efficient, high performing and trustworthy Data Mesh to our customers, applying Data as a product and with Ronin @ the core, Ronin empowers your data.

Ronin is head-quartered in DIFC, Dubai, UAE, with global services based out of Canada, USA and the Middle East.

**Web:** [ronin.ae](https://ronin.ae)

**Email:** [hello@ronin.ae](mailto:hello@ronin.ae)

**Twitter:** [@roninuae](https://twitter.com/roninuae)

**LinkedIn:** [@ronin.ae](https://www.linkedin.com/company/ronin-ae)