

Difference between Agile and DevOps:

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What's the difference of devOps:?

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Agile's Manifesto

Agile software developers behave in a manner that is consistent with the values and principles defined in the Agile manifesto.

Written and signed by software development leaders in 2001, the [Agile Manifesto](#) defines the 12 principles and four fundamental values that Agile practitioners must embrace, including:

- Working software over comprehensive documentation
- Individuals and interactions over processes and tools
- Responding to change over following a plan
- Customer collaboration over contract negotiation

While it's importance to the software development community can't be understated, the Agile Manifesto is remarkably short in length. It's less than 500 words in total.

The Agile Manifesto insists that the continuous delivery of software to the client is the highest priority. It also provides no concise guidance, nor

recommends any specific processes to follow. It is purely a philosophical exercise.

How do you define DevOps?

In contrast to Agile, DevOps has no defining document. DevOps has no universally accepted definition.

It's not even exactly clear when DevOps made its way into the public lexicon. Many point to a 2009 Velocity conference presentation by John Allspaw and Paul Hammond, entitled . Many also consider Gene Kim's book as a driving force behind DevOps adoption.

Agile versus DevOps comparison chart

Compare	agile	devops
Inception	2001	2007
Inventors	John Kern, Martin Fowler at al.	John Allspaw and Paul Hammond at Flickr, and <i>The Phoenix Project</i> by Gene Kim
Highest priority	Continuous delivery of software	Continuous deployment of software
Founding artifact	Agile Manifesto	10+ Deploys Per Day conference session and The Phoenix Project
Implementation frameworks	Scrum, Kanban, ScrumBan, Lean, XP	CAMS, CALMS , DORA
Alternatives	Waterfall	Silo based development and deployment
Team size	Used by small teams of 10 or less	Implemented as a company wide strategy
Scope	Focuses on the development of a single application	A corporate wide approach to software deployment

Agile and DevOps culture:

While many argue over exactly what DevOps is, most definitions include the term 'culture.' Which begs the question: what is culture?

Generally speaking, culture is any group of like-minded people who use a common set of tools and follow a repeatable set of processes.

In essence, culture boils down to these three things:

- people;
- processes; and
- the tools they use

How are Agile and DevOps similar?

The path toward a successful digital transformation starts with embracing that Agile and DevOps can not only coexist, but they intersect.

All DevOps practitioners believe in:

- The automation of manual tasks and the importance of work not done;
- The importance of working with self-organized teams made up of motivated individuals; and
- The continuous delivery of software to the client as the highest priority.

Every single one of these points maps directly back to one of the 12 principles outlined in the Agile Manifesto.

How to do Agile and DevOps together?

Agile and DevOps practitioners share a common mindset. Moreover, their goals are aligned as well.

The ultimate goal of a DevOps transition is to fully automate the deployment of working code into production. This represents full DevOps enlightenment.

The Agile manifesto states in no uncertain terms that its highest priority is the continuous delivery of software to the client.

Both Agile and DevOps share the belief that the best way to build software, ensure transparency and promote sustainable development is to get working software into the hands the clients.

Agile and DevOps also intend for dev and ops teams to use modern tools and processes to get software into the hands of clients as soon as it's humanly possible.