



BENEFITS OF A CI/CD INTEGRATION

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OUR CURRENT CHALLENGES

- Infrastructure is clumsy; the business complains that other companies are much faster in spinning up infrastructure for services to be delivered to clients
- Processes have multiple manual steps and are sometimes dependent on single persons who become a single-point-of-failure with the current headcount and our way of working
- IT infrastructure is a bottleneck for sticking to due dates even when it comes down to mitigating vulnerabilities

MARKET TRENDS

- Public cloud services become more and more popular
- Companies like Amazon, Microsoft, Google, but also much smaller start-ups like Travis or CircleCi push innovation further and enable a different way of working
- Companies are able to streamline their IT infrastructure to serve their business clients best in a world of constantly changing requirements
- CI/CD is like driving a motorbike past cars which are stuck in traffic (without the risks which it brings along)



FINANCIAL BENEFITS OF CI/CD

- An end-to-end CI/CD pipeline enables companies to decrease the time to market for new features significantly, hence it is directly impacting making more revenue.
- It's also helping developers to increase the quality of the service / product as errors are reduced with the comprehensive approach of for example automated testing, verification, auditing and rollback, hence it is less probably a faulty service is delivered to the client and thus effectively mitigating risk.
- CI/CD is not at all affecting technology only. It is proven that the Dev(Sec)Ops staff is collaborating better within the team and the possibility with a state of the art infrastructure are keeping them happy, hence less staff is looking for a new job. Keeping the staff at the company is directly saving costs for on- and off boarding of people, but also headhunting fees and everything linked to such HR processes.
- Attracting talents is also easier as lots of the well-educated IT people out there are searching for an environment where they can learn and grow in a next-gen environment which does not only benefit the company but also them individually

JUSTIFICATION FOR SPENDINGS

- **Requirements within the group** say to patch infrastructure at least once per iteration
- The process is only partially automated and still heavily manual thus **causing lots of efforts**
- After a significant investment in iteration 1 for the CI/CD project to get everything up and running the **investment would be amortised after iteration 4**
- Costs per iteration would fall down **78%**
- **Each 12 iterations we save 264'000.- \$**

