

Technical Debt and removal-Freeing Capabilities to become Agile and Digital

Technical debt can bog down a company, making it difficult to move forward and achieve its full potential. We'll take a deep dive into the concept of technical debt, explore its costs and impacts, and show you how to remove it to free up your dynamic capabilities for agile and digital innovation.

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What is Technical Debt?

Technical debt is the **cost of maintaining and updating outdated code and systems** that have been built with poor architecture and design. Over time, the costs of maintaining these systems far outweigh their benefits and restrict the capabilities of the company to innovate and stay competitive.

Types

Technical debt classification includes :

- architectural
- design
- infrastructure
- testing
-

Causes

There are various causes of technical debt, but essentially **too much emphasis placed on short-term gains during previous implementations**

Effects

They can include increased downtime, **decreased agility and prevented DT** the latter's **impact the loss of competitiveness**

Costs of Technical Debt

The cost of technical debt is not just measured in money, but also in the negative impacts it can have on stakeholders morale, productivity, innovation, agility and delays in transforming digitally



Financial Costs

Increased maintenance costs and decreased productivity, which can have a significant impact on your bottom line.

Ops Costs

Technical debt can make it harder for your team to work efficiently and effectively, which can lead to increased frustration, dissatisfaction, and lately a possible employees turnover.

Other losses

Impact on your reputation as a company:
Loss of competitiveness for preventing or delaying new software or architecture projects

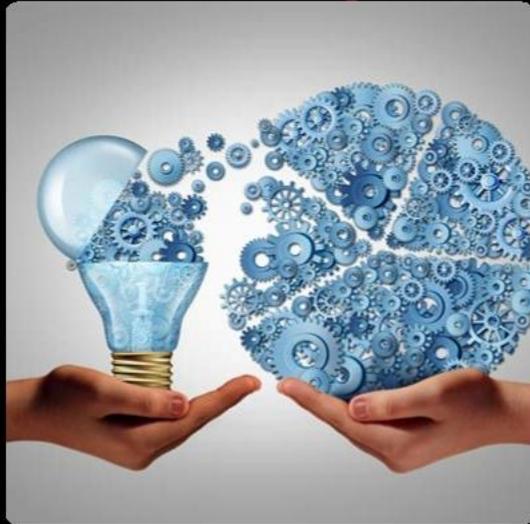
No-Competitive advantages

Without being able to use Automation and Digital solutions new competitive advantages can't be achieved :

Business strategy and Organisational agility;

Impact of Technical Debt on Agility and Digital Transformation

The impact of technical debt on agility and digital transformation is significant. It can slow down innovation, decrease agility, and make it harder for teams to pivot and respond to changing circumstances.



Slowing Down Innovation

Technical debt can weigh down



Decreasing Agility

Technical debt can make it



Restricting Capabilities

Just as clipped wings restrict a

Strategic and business considerations?

1

Maintainability and Agility

2

Scalability and Flexibility

3

Software and IT services' Quality and Reliability

4

Stability and Security

5

Knowledge Transfer and Efficiency

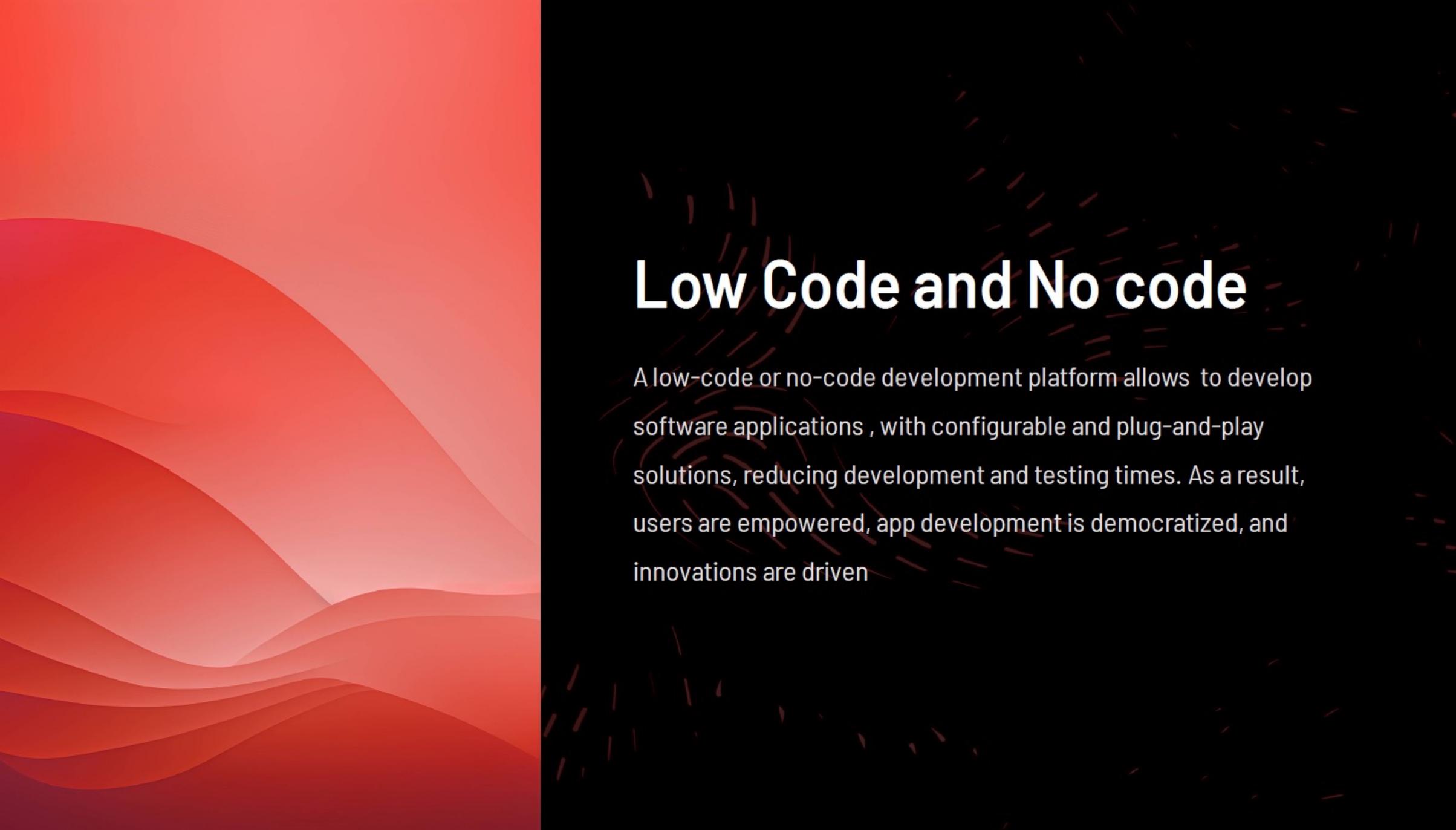
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**Agility-Digital-People centric-
Security**



The Role of RPA in Reducing Technical Debt

Robotic Process Automation (RPA) can be a powerful tool in reducing technical debt by automating repetitive, time-consuming tasks. By implementing RPA, your team can focus on higher-value activities and reduce the risk of introducing new technical debt. RPA can help your organization reduce/remove technical debt, and best practices for implementing RPA in your development process.



Low Code and No code

A low-code or no-code development platform allows to develop software applications , with configurable and plug-and-play solutions, reducing development and testing times. As a result, users are empowered, app development is democratized, and innovations are driven

Benefits of Removing Technical Debt

The benefits of removing technical debt are numerous and far-reaching. Not only will it lead to increased agility and innovation, but it can also help your company save money and maintain its competitive edge.

1

Cost Savings

Significant cost savings by reducing maintenance costs and improving efficiency.

2

Competitive Edge

staying up to date with the latest technologies and innovations in your industry.

3

Innovation and Agility

agility and ability to innovate, allowing your team to tackle new challenges and stay ahead of the competition.

How to Remove Technical Debt

The key to removing technical debt is to establish a plan and get everyone on board. The plan should include assessing the existing technical debt, establishing a prioritization framework, and creating a roadmap for paying down the debt over time.

Establishing Priorities

Next, establish a prioritization framework for addressing the different types of technical debt that have been identified.

1

Assessing Existing "Debt"

The first step is to assess your existing technical debt, including architecture, design, and code debt for legacy systems as well.

2

3

Creating a Roadmap

Finally, create a roadmap for paying down the technical debt over time. Be sure to include specific actions that can be taken to pay down debt, risks and set measurable milestones along the way.

Conclusion and Key Takeaways

Removing technical debt is critical for companies looking to become more agile and competitive in today's digital landscape. Establishing a plan for addressing the debt, and using the tools and strategies available, can help you achieve your goals and stay ahead of the competition.

Technical debt inhibits innovation and agility

Don't let technical debt slow down your team or prevent you from reaching your potential.

Removing technical debt is an ongoing process

Establishing a plan and taking proactive steps to reduce technical debt can ensure your team stays on track and ahead of the curve.

The benefits of removing technical debt are real

Reducing technical debt can lead to cost savings, increased efficiency, and better competitiveness in your industry.