



Application. Data. Security

Adapting Digital Transformation In Global Economic Downturn

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Introduction

According to United Nation Foundation (UNO:2022) the world is not in normal situation. Russia's invasion of Ukraine is not about war but it also accelerated a series of cascading and interconnected global crises in food, fuel, and energy. COVID-19 continued to batter the world, and new data showed how devastating the pandemic has been beyond its overwhelming harms to our health. After reaching record levels in 2021, concentrations of greenhouse gases continued to rise this year, and dozens of natural disasters became today's issue as well.

Will digital transformation stop due to the economic downturn? No. Digitation in fact, can help organization resilience through competitive advantage. Enterprise productivity, efficiency and focus are three main focus to survive digital transformation in global economic downturn.

Organization should focus on three main areas in order to survive in new normal situation. Your Application, your data, and your security matters more than any fancy trends.

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Digital Transformation's Imperative



Application development, delivery, and maintenance, requirement volatility are full of uncertainty and complexity. **Data** is everywhere, not aligned, manage data integration becomes a new complex issues.

Cyber **Security** is another crucial concern in today's digital transformation. Everything is in client's side, correlation between networks and endpoints and how to proactively know before the cyber attack comes. Those are every cyber security officer's concerns.



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Rapid Application Development

Rapid application development (RAD) is a development approach focusing on designing and prototyping stage in one integrated development environment (IDE) for the purpose of getting instant user feedback. Unlike traditional development models with initial planning and further execution RAD implies more flexibility. Constant iterations of user feedback and quick incremental updates help to achieve better result at the end of the day. Some benefits of RAD are:



- Faster time-to-market
- Development integrity and sustainability
- Manage better requirement volatility
- Leaner development team

RAD/ Low code development are new and requires not only a lot of research and investment but also sustainable team and support before organization can implement . Experience and reputation are key important factors when choosing the right RAD/Low code implementor. More important than the platform itself.

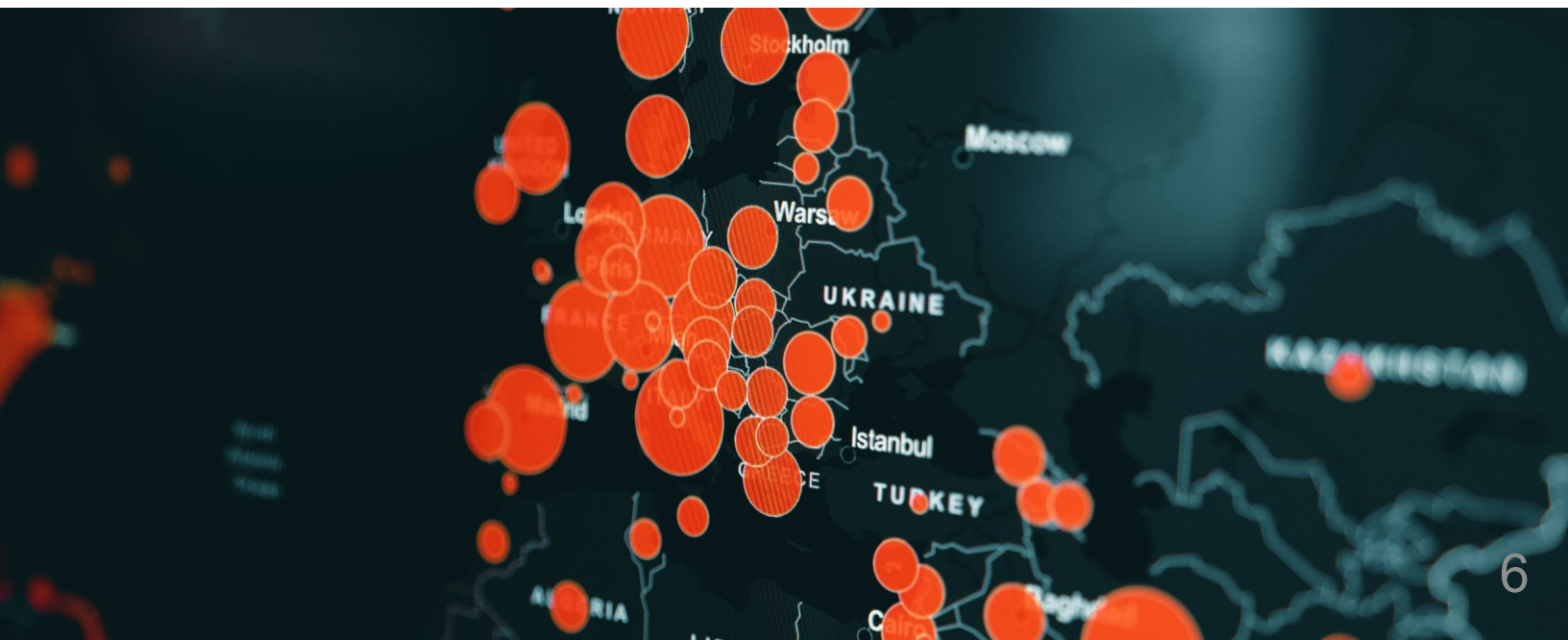
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Connecting Your Data

Data silos are common challenges in organization. Integrating data both on-premise and on-cloud, across all sources and devices becoming a big issues.

Many technologies of integration even using open source's platform. However, time to integrate, different methods of integration by different developers, create no singularity of integration that create more problems while developing ,and maintaining the integration.

No code data integration platforms are one of the most effective solution for data silos. Ideally, Integration platform should have the capabilities to drag and drop UI, data mapping tools, and a comprehensive library of connectors, coupled with support for various integration patterns. In today's global economic downturn, we can not afford to pay never-ending mandays. Organization need reusable business logic, data flow recommendations, templates, process libraries, and even custom scripting for specific needs.



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Secure Your Network And Endpoints



Cybersecurity trends and risks has grown rapidly over the years recent years. Hacker become more skillful at bypass advanced firewalls, doing metasploit attack, hack the endpoint user and password , doing lateral lateral network movement and many more. Every day there are 2,200 cyber attacks in the world and over 800,000 hacked endpoints per year (Norton,2022)



The cyber security in organization require

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Long time ago, every application is on server's side, now more on client's side. This transformation create opportunity for attackers to focus on attacking both network and endpoints. Solution silos among EDR, NDR, SIEM, Thread-Intell becoming not relevant as it is more complex and difficult to find correlation and investigate. Every manual and silos cyber solution create more cost, and longer time to investigate. The right solution for cyber security is the new extended detection and response (XDR) equipped with data lake and machine learning. This will simplify the process of cyber incident and response. Some of the features organization need to have are:



- Mapping the network terrain
- Not only detect and respond but remediation
- Not only detection but hunting the hackers
- Proactive cyber defense

Protecting internal network using network sensors, thread-intelligence, endpoint protection, and deception technologies are very relevant considering today's adversaries.

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Conclusion

We are not in normal global economic situation. Digital transformation should have the initiative to consolidate. Consolidation of Application through rapid application development. Consolidation of data through low code data integration platform and consolidate your cyber security platform are suggested. Deltadata is digital transformation consultant with many global and national recognition that can help your organization enabling digital transformation FAST and secured.