

The **DO's** + **DON'Ts** of

Real-Time Application Development

THE DO's



DO:

Design Event-Driven Systems

Deploy an Event-Driven Architecture so processes operate independently no matter when or how often data arrives, enabling highly scalable loosely coupled applications.



DO:

Build With Agility in Mind

Build applications faster using low code tools and continuous deployment capabilities to easily modify applications on the fly.



DO:

Plan Strategically, Deploy Tactically

Define a set of intelligent applications as a digital nervous system, then deploy them one at a time based on near-term business priorities.



DO:

Automatically trigger business actions

Design real-time systems to analyze situations and take immediate action whenever possible, bringing in humans to make critical decisions when necessary.



DO:

Bring Computing Closer to the Source

Achieve low-latency and high performance of real-time systems by deploying processing logic at the edge as close to the source as possible.



THE DON'Ts



DON'T:

Default to Big Data Thinking

Instead, analyze and react to streaming data in-flight long before storing it in a database for big data analytics.



DON'T:

Prototype With One Set of Tools and Build With Another

Instead, use one integrated IDE to reduce complexity and training, thereby dramatically shortening time to value.



DON'T:

Reinvent the Wheel

Instead, compose new applications by reusing features or components that can be dragged and dropped from libraries or previously built applications.



DON'T:

Display and Call It a Day

Instead, go beyond data visualization and embed automated, real-time intelligence to reflexively act on critical information as it arrives.



DON'T:

Build It and Forget It

Instead, evolve real-time applications over time as requirements change and new technologies become available.



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