



DEFINITION

real-time application (RTA)

TechTarget Contributor

A real-time application (RTA) is an [application program](#) that functions within a time frame that the user senses as immediate or current. The [latency](#) must be less than a defined value, usually measured in seconds. Whether or not a given application qualifies as an RTA depends on the worst-case execution time (WCET), the maximum length of time a defined task or set of tasks requires on a given [hardware](#) platform. The use of RTAs is called real-time computing (RTC).

Examples of RTAs include:

- Videoconference applications
- [VoIP](#) (voice over Internet Protocol)
- Online [gaming](#)
- Community storage solutions
- Some e-commerce transactions
- Chatting
- IM (instant messaging)

Software developers employ MDD (model-driven development) to obtain optimum RTA performance using UML (Unified Modeling Language). MDD allows people to work together on a project even if their experience levels vary. UML is a standard notation for the modeling of real-world objects in object-oriented design.

This was last updated in April 2008

Continue Reading About real-time application (RTA)

- [Network World writes about real-time collaboration.](#)
- [How can I address the challenges of real-time apps over Wi-Fi?](#)

Related Terms

Cisco Webex

Cisco Webex is a video conferencing and collaboration product suite. [See complete definition](#) ⓘ

Microsoft Teams

What is Microsoft Teams? Microsoft Teams is cloud-based team collaboration software that is part of the Microsoft 365 and Office ... [See complete definition](#) ⓘ

Zoom fatigue (virtual meeting fatigue)

Zoom fatigue, also known as virtual meeting fatigue, is the feeling of exhaustion that often occurs after attending a series of ... [See complete definition](#) ⓘ

Dig Deeper on Collaborative Applications

Diagrams.net vs. Lucidchart: A few things to consider

By: Kerry Doyle

support-driven development

By: Laura Fitzgibbons

Autonomous taxi trials underway in Dubai

model-driven development (MDD)

By: Alexander Gillis

-ADS BY GOOGLE



SearchNetworking

How cloud-native networking will transform infrastructure

Cloud-native networking aims to prioritize business needs and enable networks to become more efficient. Learn more about the ...

The role of network observability in distributed systems

Network observability sounds like a new term for an existing practice, but is that the case? This chapter excerpt lays out what ...

About Us Meet The Editors Contact Us Advertisers Business Partners Media Kit Corporate Site

Contributors Reprints Answers Definitions E-Products Events Features

Guides Opinions Photo Stories Quizzes Tips Tutorials Videos

