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→ Data Distribution Service Seminar

The Data Distribution Service (DDS) standard for real-time, secure and interoperable communication continues to gain acceptance. For example, the Machinery Information Management Open Systems Alliance (MIMOSA) now mentions it as an alternative to OPC-UA (OLE for Process Control - Unified Architecture), AMQP (Advanced Message Queuing Protocol) and MQTT (Message Queue Telemetry Transport) protocols on its architecture diagrams.

"Getting Started with DDS: The IIoT Connectivity Standard" is a complimentary tutorial that will be given on Monday, June 5, 2:00--5:00 pm, at the Radisson Blu in Brussels, Belgium, during the Object Management Group meeting week. [Learn more about the event and register here.](#)

→ Data Residency Webinar and Meetings

On May 11, Claude Baudoin and OMG's Technical Director Andrew Watson will present a public webinar on Data Residency, based on the OMG's recently published white paper.

As data is increasingly accessed and shared across geographic boundaries, a growing web of conflicting laws and regulations dictate where data can be transferred, stored, and shared, and how it is protected. "[Data Residency: Challenges and the Need for Standards](#)" will discuss:

- How data residency may impact users and providers of IT services, including but not limited to the cloud
- The complex web of laws and regulations that govern this area
- The relevant aspects -- and limitations -- of current standards and potential areas of improvement
- How to contribute to future work

The same material will be covered in more detail in a face-to-face [tutorial](#) in Brussels on June 8, 9 a.m. to 12 noon. People involved in European Union regulatory matters are particularly encouraged to attend, but this can benefit any multinational company or IT service provider that wants to understand the potential impact of data residency on their business.

→ NTIA Work on IoT Upgrading and Patching

The National Telecommunications and Information Administration (NTIA), part of the United States Department of Commerce, continues to gather input from industry on the challenges of ensuring that IoT devices, once deployed, can be securely updated when cybersecurity vulnerabilities are discovered, so that they do not become, against their owners' will and often without their knowledge, members of a "malware botnet" such as Mirai, Hajime, Tsunami and many others (news of these exploits has been particularly frequent over the last month).

One of the working groups is creating a catalog of relevant standards and studying what those standards say, if anything, about upgrading and patching. *We seek more people who have knowledge of such standards to write a one-page summary of each.* If you are aware of work that should be listed, please contact us. We will share the existing draft with you and facilitate the inclusion of your contribution.

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→ AI, Data Science and Deep Learning in Singapore

The treasure trove of data collected from the Internet, especially with the rise of the Internet of Things, has given Artificial Intelligence, and in particular the branch of AI called Deep Learning, a new life. We're seeing this trend illustrated in several ways. Some small-to-medium system integrators (e.g., Mobiliya) are developing successful deep learning projects for customers. Other companies are partnering with IBM to use the Watson system to make inferences from the data they collect. And now we see new efforts in academia to pursue research in this area, and presumably adapt their curriculum to teach this convergence of data science and deep learning.

In Singapore, for example, not just one but two universities, NTU and NUS, created or re-oriented research centers to focus on this convergence. [Read more here.](#)

→ Seen Recently...

"I have paper books that are 100 years old and usable. I have 1998 zip drives I can't access. Compare."

-- @LillyLyle, a.k.a. "Count Melancholia," self-described cyberpunk from Scotland

"Senior leaders say digital is a priority, but few link a clear strategy vision to action."

-- a McKinsey&Company infographic, created by an analyst who makes the bold assumption that these leaders have a clear strategy in the first place (saying that it is a priority is not enough to have a strategy)