Progress® MarkLogic®

U.S. Airforce Research Lab Creates Unified Data Platform with Progress MarkLogic, Speeding Research Efforts

AT A GLANCE

AFRL
AIR FORCE RESEARCH LABORATORY

The U.S. Airforce Research Lab (AFRL), the primary scientific research and development center for the Department of the Air Force, was challenged with a network of data silos that slowed critical research. AFRL deployed MarkLogic to build a unified data platform to help securely enable discovery and sharing of information.

COMPANY
U.S. Airforce Research Lab

PRODUCT
Progress® MarkLogic®

INDUSTRY
Government, National Security

COUNTRY
United States

Challenge

AFRL research was hampered by a network of disparate data sources, inflexible software and lack of governance that limited research due to the lack of the ability to share knowledge and trace the pedigree of that knowledge.

> "We used MongoDB early on, but we realized there are so many things that you can't do with it, like built-in search, semantics and true RDF expression of our data models."

Matthew Jacobsen
Systems Analyst & Developer,
Us Air Force Research Lab

Solution

Undertake development of what AFRL called HyperThought™ to unite the many disparate data sources to help speed research.

Deploy Progress® MarkLogic® to build a unified data platform to help eliminate numerous data silos.

Take advantage of MarkLogic's semantic capabilities to unpack disparate data.

Build a best-of-breed solution, combining commercial and open-source technologies, for true multi-model representation.

Results

Adding new data sources, changing data models and increasing data volumes are now surmountable challenges with HyperThought.

Historical tests and results are now discoverable and usable, improving efficiency across development and research.

Scientists can now securely share data, which fosters collaboration with other researchers like Lawrence Livermore National Labs.

→ For a more efficient way to connect disparate data sources, look no further than MarkLogic. Contact us today.

f /progresssw
X /progresssw
▶ /progresssw
in /progress-software
⊙ /progress_sw_