Description of Technology:
ARCADE is an incubator and enterprise of test-bed environments that enable the Space Superiority community to research, collaborate, develop, evaluate, and mature innovative capabilities that are designed for transition to the operational-level Space Control community. Services and products supplied to developers in the ARCADE test-beds include:

- Software development standards, tools, and on-boarding services
- Simulated and scenario-relevant data archives
- Data services (Joint Space Operations Center (JSpOC) Mission System (JMS)-baseline and future JMS)
- Capability evaluation tools

The Air Force Research Laboratory initiated ARCADE in 2014 as a cross directorate Space Vehicles and Directed Energy effort to build the development tools and environment for pre-developmental testing for the Space Control community.

To address both capability enhancements of JMS and the desire for an agile acquisition, AFRL and the JMS program created ARCADE to provide future capability developers access to a common environment as a step in achieving a streamlined acquisition process for new Space Control applications and data services.

ARCADE facilitates the development of high-impact applications efficiently and bridges the gap between development and integration into the operational JMS enterprise.

The JMS program is working with AFRL to turn ARCADE services into a worldwide asset for Space Control application development.
How do Software Developers Mature Their Technology with ARCADE

Getting started … request an account type that is right for your technology

The minimum requirements for obtaining an ARCADE account are U.S. citizenship and a "need to know," e.g., association with a United States government agency.

<table>
<thead>
<tr>
<th>Types</th>
<th>Description</th>
<th>How do you request account?</th>
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<tbody>
<tr>
<td>ARCADE Service Oriented Architecture Environment</td>
<td>Hosts JMS service, live experimental data, live operation data feeds, software and JMS-user interface development kits.</td>
<td>Email: <a href="mailto:afrl.rvsv.arcade@us.af.mil">afrl.rvsv.arcade@us.af.mil</a></td>
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Contact 377 ABW Public Affairs for more information: (505) 846-5991 DSN 246-5991
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