



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – C5ISR CENTER

DI2E Instructions for MORA Confluence & Bitbucket

Intelligence & Information Warfare Directorate / CO2 Division / ITA Branch



DI2E LOGIN INSTRUCTIONS



- Go to di2e.net
- Click on the icon above DI2E Developer Collaboration Tools

The screenshot shows the DI2E (Defense Intelligence Information Enterprise) website. At the top left is the DI2E logo with the text 'Defense Intelligence Information Enterprise'. To the right are links for 'HOME' and 'LEARN MORE'. Below the logo is a quote: "The DI2E represents an important and necessary step forward for the Defense Intelligence Enterprise... To continue strengthening the partnership between the Department of Defense (DoD) and the IC and advance cutting edge capabilities, it is imperative the DoD and the IC continue to ensure that our respective governance efforts are aligned." —Hon. James R. Clapper Director of National Intelligence 22 May 2015.

Below the quote is a 'Join us!' section with the note '(U.S. citizenship required)'. There are two buttons: 'Request an Account' and 'Request a Hosted Project'.

The main content area features three cards:

- Framework Architecture & Guidance:** Includes standards, specifications, architecture, a Reference Implementation (RI), information sharing policies, and processes necessary to enable the DI2E. A 'READ MORE' button is at the bottom.
- Storefront:** A registry of applications, services, and components, as well as guidebooks and other DI2E guidance, to support the DI2E user community of developers, system integrators and operational end users. A 'Visit Storefront (Requires CAC or account)' button is at the bottom.
- DI2E Developer Collaboration Tools:** The DI2E Developer Collaboration Tools (DevTools) are provided for Government programs and their supporting developers. They provide documentation and design artifact hosting, issue tracking, and project collaboration on government owned property. A 'READ MORE' button is at the bottom. This card's icon is circled in red.

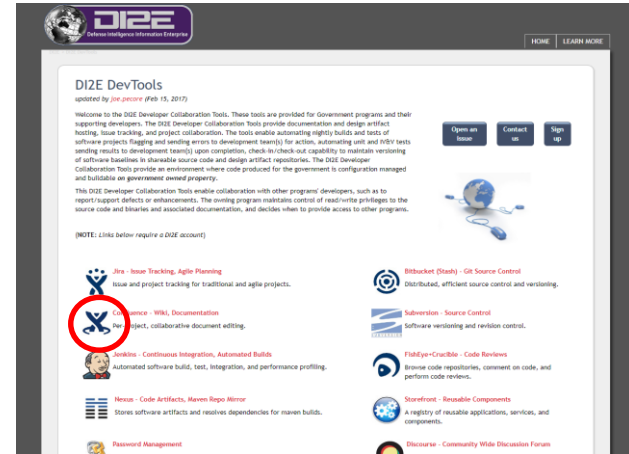
At the bottom left is an 'F.A.Q.' section with links: 'Our Service Commitment', 'Our Onboarding Process', 'Our Privacy Policy', 'Our Terms of Service', and 'Our ITAR and CUI Guidance'. At the bottom right is a 'CONTACT US' section with links: 'Contact Support', 'General Questions', 'Request an Account', 'Password Reset', and 'Request a Hosted Project'. At the very bottom center is the copyright notice: '© DI2E | Consent to Monitoring | Rules of Behavior | Approved Use | All rights reserved'.



DI2E LOGIN INSTRUCTIONS



- Click on Confluence
- This should prompt you to login with your CAC
- Then, if you haven't created a DI2E account, it will ask you to create an account.
 - Note: you can log into DI2E with your CAC, but you will need to use your password and user name to access the git repo from a git client, so don't forget it!
- You can access the MORA confluence page (wiki) once you have created a di2e account.
- To request access to MORA source code (Bitbucket), send an email to Troy Ryder troy.m.ryder.civ@mail.mil with your DI2E user ID and carbon copy (cc) your MORA POC. Once you agree to the Terms & Conditions (via email), you will be given access.



DI2E DEVELOPER TOOLS

DI2E Developer Tools
updated by Joe Ryder #Feb 13, 2017

Welcome to the DI2E Developer Collaboration Tools. These tools are provided for Government programs and their supporting developers. The DI2E Developer Collaboration Tools provide documentation and design artifact hosting, issue tracking, and project collaboration. The tools enable automating nightly builds and tests of software projects (flagging and sending errors to development teams) for action, automating unit and NVT tests (sending results to development teams) upon completion, check-in/check-out capability to maintain versions of software baselines, in shareable source code and design artifact repositories. The DI2E Developer Collaboration Tools provide an environment where code produced for the government is configuration managed and buildable on government owned property.

This DI2E Developer Collaboration Tools enable collaboration with other program developers, such as to report/support defects or enhancements. The viewing program maintains control of read/write privileges to the source code and binaries and associated documentation, and decides when to provide access to other programs.

(NOTE: Links below require a DI2E account)

- Jira - Issue Tracking, Agile Planning**
Issue and project tracking for traditional and agile projects.
- Confluence - Wiki, Documentation**
Project, collaborative document editing.
- Jenkins - Continuous Integration, Automated Builds**
Automated software build, test, integration, and performance profiling.
- Nexus - Code Artifacts, Maven Repo Mirror**
Stores software artifacts and resolves dependencies for maven builds.
- Bitbucket (Dash) - Git Source Control**
Distributed, efficient source control and versioning.
- Subversion - Source Control**
Software versioning and revision control.
- FlakEye-Crucible - Code Reviews**
Browse code repositories, comment on code, and perform code reviews.
- Storefront - Reusable Components**
A registry of reusable applications, services, and components.
- Discourse - Community Wide Discussion Forum**

DI2E Developer Tools

DI2E Developer Tools requires the following Common Access Card (CAC) and/or Smart Card Authority (ECA) certificates.

CAC/ECA LOGIN

OR

Username: _____
Password: _____

USERNAME/PASSWORD LOGIN

OR

Manage Account
Enter your username below to Reset your password or Unlock your Account

Username: _____

RESET PASSWORD

UNLOCK ACCOUNT

You are about to access a United States Government (USG) authorized information system, which includes (1) This computer, (2) This computer network, (3) All computers connected to this network, and (4) all services and storage media attached to this network or to a computer on this network.

This information system is provided for USG authorized use only. Unauthorized or improper use of this system may result in disciplinary action, as well as civil and criminal penalties.

By using this information system, you understand and consent to the following:

1. You have no reasonable expectation of privacy regarding communications or data handling or stored on this information system.
2. At any time, and for any lawful USG purpose, the USG may monitor, intercept, and record any communication or data handling or stored on this information system; and
3. Any communications or data handling or stored on this information system may be disclosed or used for any lawful USG purpose.

All communications or data using this information system, except if personal in nature and without any reference to official business, is subject to formal retention and disclosure requirements in accordance with applicable federal law. By using this information system you consent to and agree to be bound by these conditions, which may not be altered without prior specific written official approval.

I acknowledge that I am a critical part of the DI2E Environment security estate. I understand that in a shared responsibility environment, with security measures implemented by the cloud vendor, by the DI2E information system, and by the users in the community, I am required to safeguard all individual and group accounts, as well as any other authenticators, in the event of any compromised accounts or passwords. I am required to immediately report the DI2E team via the DI2E support page.

I also acknowledge that I have read the DI2E Guidance on Informational Traffic in Areas Regulated (ITAR) and Controlled Unclassified Information (CUI) and understand how the DI2E Development Tools can be used properly for information that may be Controlled Unclassified Information (CUI) or subject to International Traffic in Arms Regulations (ITAR) policies.

Additionally, please ensure you are familiar with and comply with the Rules of Behavior and the Approved Use before accessing this system.



NAVIGATING DI2E




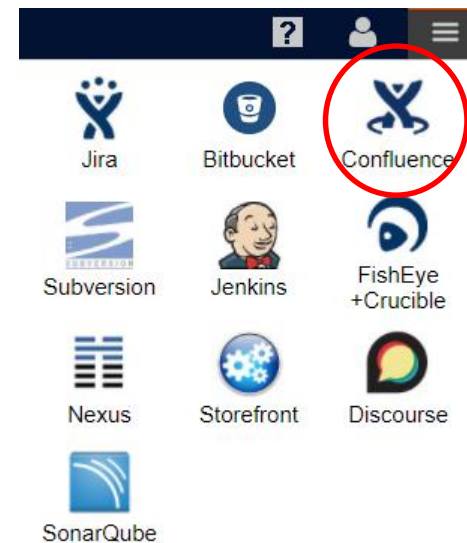
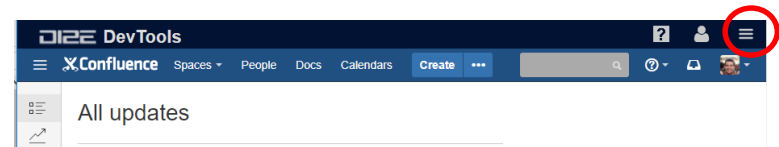
- MORA uses 2 main tools on DI2E at the moment - Confluence and Bitbucket.
- Confluence is a wiki and document share where various documents and specifications relating to MORA are kept.
- Bitbucket is a Git source repository where the current MORA reference software is kept.



NAVIGATING DI2E: CONFLUENCE



- Once you have logged into DI2E, click on this icon  in the top right-hand corner.
- From the drop down, choose Confluence.

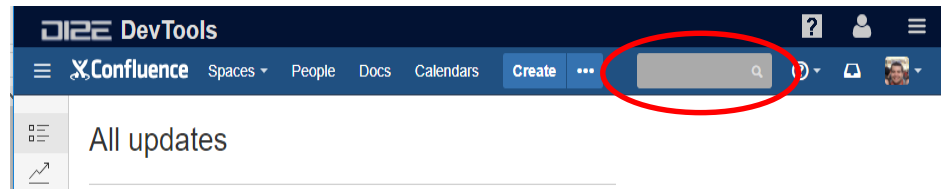




NAVIGATING DI2E: CONFLUENCE




- From the confluence page, click on the search bar and search for “MORA”.
- The MORA confluence page will be the first result.
- Look for this logo.

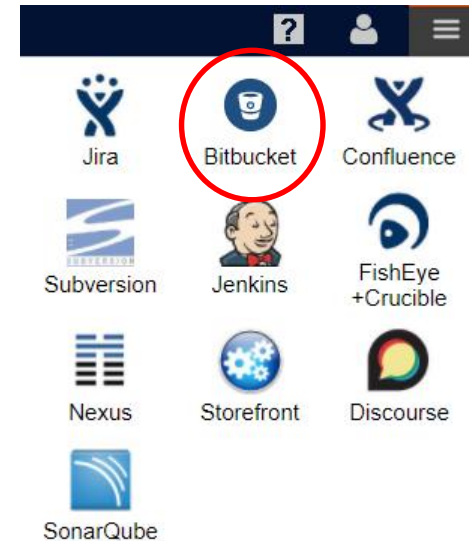
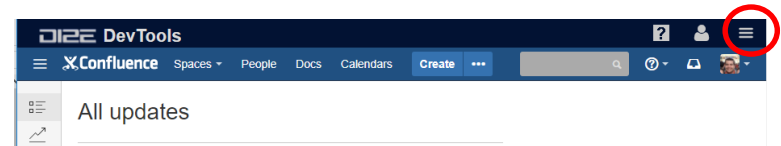




NAVIGATING DI2E: BITBUCKET/GIT



- Log into DI2E. You will need permission to access this page (see page 3).
- Once you have logged into DI2E, click on this icon  in the top right-hand corner.
- From the drop down, choose Bitbucket.





NAVIGATING DI2E: BITBUCKET/GIT



- Once on the BitBucket page, click on Projects
- Scroll down until you find MORA-Modular Open RF Architecture.





NAVIGATING DI2E: BITBUCKET/GIT



- To download source from the browser, navigate to the folder you want to download and click the download button shown on the right.

The screenshot shows the Bitbucket DevTools interface for the repository 'MORA - Modular Open RF Architecture / MORA Cpp Reference Implementation'. The 'Source' view displays a list of folders. A context menu is open over the 'cppUserLib' folder, with the 'Download' option circled in red. The menu options are: Compare, Copy branch name, Check out in SourceTree, Create branch from here, and Download. The 'Download' option is highlighted with a red circle.



NAVIGATING DI2E: BITBUCKET/GIT



- If you want to use a git client, then click the clone button to get the url of the repo to clone.
- Note, it will prompt you for your DI2E username and password.

The screenshot shows the Bitbucket interface for a repository named 'MORA - Modular Open RF Architecture / MORA Cpp Reference Implementation'. The 'Clone in Source Tree' button is highlighted, and the resulting URL is shown in a text box. The URL is `https://jeffrey.p.gunzelman@bitbucket.d`, which is circled in red. Below the URL, there is a link to 'Learn more about cloning repositories' and a section for 'Clone in Source Tree' with a description of Atlassian SourceTree. A list of folders is visible at the bottom of the repository view.



ISSUES/COMMENTS



- If you have any comments or concerns, please contact Troy Ryder at troy.m.ryder.civ@mail.mil