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| E-Enterprise Portal |
| User Guide for E-Enterprise Partners |
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Table of Contents

[Access and Location Basics 2](#_Toc525915842)

[Accessing the E-Enterprise Portal 2](#_Toc525915843)

[Credentials needed to access the E-Enterprise Portal 2](#_Toc525915844)

[Accessing the E-Enterprise Portal without the credentials listed above 2](#_Toc525915845)

[E-Enterprise Portal location 2](#_Toc525915846)

[Accessing the test and development environments 2](#_Toc525915847)

[E-Enterprise Portal Capabilities 2](#_Toc525915848)

[Types of services and tools the E-Enterprise Portal will provide 2](#_Toc525915849)

[Existing services and tools on the E-Enterprise Portal 3](#_Toc525915850)

[Planned improvements 3](#_Toc525915851)

[What the “Developer Toolkit” area will provide 3](#_Toc525915852)

[Using the E-Enterprise Portal 3](#_Toc525915853)

[How to use/adopt an existing tool or service on the E-Enterprise Portal 3](#_Toc525915854)

[How to add a service or tool to the E-Enterprise Portal 3](#_Toc525915855)

[How applications are displayed 4](#_Toc525915856)

[Governance 4](#_Toc525915857)

[How decisions are made for the E-Enterprise Portal 4](#_Toc525915858)

[The E-Enterprise Portal’s relationship to the Exchange Network 4](#_Toc525915859)

[How the E-Enterprise Portal fit into the Shared Services Strategy 5](#_Toc525915860)

[Where to find details about E-Enterprise Portal service requirements 5](#_Toc525915861)

[Appendix A: List of existing services in the E-Enterprise Portal 6](#_Toc525915862)

[Appendix B: Widget status, authentication, and data setup information 9](#_Toc525915863)

# Access and Location Basics

### **Accessing the E-Enterprise Portal**

The website is <https://www.e-enterprise.gov>.

### **Credentials needed to access the E-Enterprise Portal**

For regulatory business, you will need a Central Data Exchange (CDX) or Exchange Network account. EPA employees, contractors, and grantees can use an ‘EPA LAN/WAM ID’ or a ‘PIV Smart Card.’ To access public information, you can login in through Facebook or Twitter. For a future capability, we are working with New Mexico and Wyoming to develop and test the Identity Management Bridge to enable users to sign on with state, tribal or territorial credentials.

### **Accessing the E-Enterprise Portal without the credentials listed above**

You may login as a guest. You will not have the option to save any information unless you sign in.

### **E-Enterprise Portal location**

The E-Enterprise Portal basic infrastructure sits within the EPA Central Data Exchange’s (CDX) domain. Service level commitments for the E-Enterprise Portal and related services are currently in development. Availability commitments will be based on CDX services and other dependencies and provided here in the future.

Since the E-Enterprise Portal is intended to be a lightweight interface that discovers and displays information from an interoperable, distributed network, the supporting databases, services, and tools will typically reside on the participating organization’s servers and not directly on the Portal. The E-Enterprise Portal will discover and expose information on the user interface and return information to the appropriate partners.

### **Accessing the test and development environments**

If you are adopting a Portal shared service, you will access the test environment at: https://test.e-enterprise.gov. Developers will access the development environment at: https://dev.e-enterprise.gov [Note: for both these environments, you must include the ‘s’ in https]

While these are publicly available sites, they are not intended to for public use.

# E-Enterprise Portal Capabilities

### **Types of services and tools the E-Enterprise Portal will provide**

We expect to have three distinct components to the Portal:

1. Enable efficient e-business with States, Tribes, Territories, and US EPA Programs. This will include tools to support permitting, reporting, etc. as well as to incorporate portal-to-portal capability.
2. Provide customized environmental information and tools and resources for citizens. This will include services and tools like Be Well Informed, MyAir, and Assistance Gateway.
3. Provide a Developer Toolkit for Portal Shared Services. This section will enable partner adoptions and will include the documentation to enable apps to be developed and/or adopted by others.

### **Existing services and tools on the E-Enterprise Portal**

Please refer to [Appendix A](#_Appendix_A:_List) to view existing services and tools on the E-Enterprise Portal.

### **Planned improvements**

As we incrementally build the E-Enterprise Portal following Agile principles, we will add functions to improve information exchange and the user experience. Initially, these functions will allow users to integrate and display relevant information based on a profile, to customize what information they see and use, and access tools that improve their experience and speed of doing business.

### **What the “Developer Toolkit” area will provide**

Documentation within the Developer Toolkit could include ‘how to’:

* Adopt a widget, service, or tool for state, tribe, territory, or program use
* Contribute information to a widget
* Download a widget, service, or tool for use locally
* Share widgets, services or tools that you developed
* Provide guidance on service development that captures lessons learned and best practices from E-Enterprise Portal development
* Share other ‘developer toolkits’ for implementation

# Using the E-Enterprise Portal

### **How to use/adopt an existing tool or service on the E-Enterprise Portal**

The following services and tools have onboarding kits or other documentation to help guide adoption:

[Be Well Informed](https://e-enterprise.gov/sites/default/files/Be%20Well%20Informed%20Onboarding%20Kit_0.zip)

For other tools or services, please contact the E-Enterprise Portal Coordinator at eportal [at] epa.gov and include the name of the specific tool or service in your email.

### **How to add a service or tool to the E-Enterprise Portal**

Contact the E-Enterprise Portal Coordinator at eportal [at] epa.gov. Please provide: a brief description of your tool, the intended users, your desired timeline, and a description of how you are planning to address the principles outlined in the next question. The governing body will use this information to determine if your tool is appropriate for the E-Enterprise Portal and provide feedback on your tool to ensure it meets the design criteria and look and feel of the E-Enterprise Portal.

Please note that resources limitations may affect our ability to meet your deadline, please plan ahead.

Please see the E-Enterprise Portal Service Development Guidelines (https://e-enterprise.gov/for-developers) for designing an E-Enterprise service or tool.

### **How applications are displayed**

There are two types of applications that are displayed in the E-Enterprise Portal. They are:

1. In the portal: a web app developed in a portal friendly platform (e.g., Drupal/PHP); or an app residing in the E-Enterprise Portal environment.
2. Surfaced in the portal: an app or service made discoverable from the E-Enterprise Portal through intelligent search or based on user profile, and user ability to save a view in a user interface persistently. These are discovered from a defined universe of available partners, apps, and web sites. The app or service can reside anywhere within the defined network. This type requires more underlying services to develop.

# Governance

### **How decisions are made for the E-Enterprise Portal**

The E-Enterprise Portal is co-governed by E-Enterprise for the Environment partners. Currently, representatives of the following States, Tribes, and EPA Programs participate: Ohio, Wyoming, New Hampshire, Muscogee (Creek) Nation, and EPA’s Offices of Information Management, Chief Financial Officer, and Enforcement and Compliance Assistance.

This team decides what and how services are displayed, develops processes and standards for E-Enterprise Portal management and ensures that services and tools align with an E-Enterprise approach. This means they are designed to meet multiple organizational needs, help meet statutory and regulatory requirements, consider all relevant stakeholder perspectives and have supporting documentation to enable other partners to use the tool or service.

### **The E-Enterprise Portal’s relationship to the Exchange Network**

The E-Enterprise Portal builds upon lessons learned, interoperability and standards developed for the Exchange Network. Since the E-Enterprise Portal is in the EPA Central Data Exchange (CDX) domain, we can take advantage of the CDX as a data node in the Exchange Network to facilitate machine-to-machine transfer of information. Exchange Network technical documentation can be found at <http://www.exchangenetwork.net/essential-technical-documentation/>

### **How the E-Enterprise Portal fit into the Shared Services Strategy**

The E-Enterprise Portal is identified as a shared service platform in the Shared Services Strategy. [[Shared Services Strategy Working Document](https://usepa.sharepoint.com/:w:/r/sites/OCFO_Work/E_Enterprise/_layouts/15/WopiFrame.aspx?sourcedoc=%7B0C797013-90D4-4845-9E7F-8653B571A110%7D&file=MB17A%20%26%20IOT11A%20Shared%20Services%20Strategy.docx&action=default&IsList=1&ListId=%7B11E94A69-2CE9-48A4-AF26-F26E53BEB879%7D&ListItemId=324)] We will develop a service level commitment, following the format outlined in the strategy, to document what the E-Enterprise Portal will provide in terms of services. We will also develop services with micro-services and/or service-oriented architecture to enable reuse/reassembly within the E-Enterprise Portal and its associated applications as well as our partners’ sites.

### **Where to find details about E-Enterprise Portal service requirements**

The Service Level Commitment is located at: [LINK]

# Appendix A: List of existing services in the E-Enterprise Portal

This table outlines the various service that are in use for the E-Enterprise Portal.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Service | Widget(s) used | Description | Type | Authentication | Is it configurable? (1) |
| 1 | BWI Evaluation | Be *Well* Informed | Used to calculate response to the water contaminates | REST | None | No |
| 2 | EPA SRS Substance by CAS Dataflow | Chemical Laws and Regulations | Returns chemical information based on CAS number | REST | None | No |
| 3 | EPA SRS Substance by Name Dataflow | Chemical Laws and Regulations | Returns chemical information based on the substance name | REST | None | No |
| 4 | AWS Elastic Search | Chemical Laws and Regulations | Returns additional chemical information indexed by the elastic search | REST | None | No |
| 5 | EPA Open Data | Chemical Laws and Regulations | Returns chemical information | REST | None | Yes |
| 6 | CDX Register Program Facility Service | Chemical Laws and Regulations | Returns a list of EPA programs | SOAP | None | Yes |
| 7 | EPA NAICS Dataflow | Chemical Laws and Regulations | Returns a list of NAICS codes | REST | None | Yes |
| 8 | CDX OECA CGP API | Construction General Permits | Returns a list of permits and related resources based on the search parameters | REST | None | Yes |
| 9 | Facility Widget | My Facility Manager | Provides Facility Management Widget as a jQuery plugin | Plugin | NAAS Token | Yes |
| 11 | FRS API | My Environment Mapper, Additional Resources, Air Quality, Guest/Authenticated Guest location lookup | Provides location look up services | REST | NAAS Token | Yes |
| 12 | GIS Service | My Environment Mapper, Additional Resources, Air Quality, Guest/Authenticated Guest location lookup | Additional location services used for Tribal information/ alternate names for locations | REST | None | Yes |
| 13 | MPCA ArcGIS Maps Service | Interactive Maps | Map collections E-Enterprise Portal can subscribe to and publish on the front end | REST | None | Yes |
| 14 | NOAA ArcGIS Maps Service | Interactive Maps | Map collections E-Enterprise Portal can subscribe to and publish on the front end | REST | None | Yes |
| 15 | NOAA ArcGIS Maps Service | Interactive Maps | Map collections E-Enterprise Portal can subscribe to and publish on the front end | REST | None | Yes |
| 16 | Air Now API by ZIP Code Service | My Air / Trending Air | Air quality based on zip code | REST | None | No |
| 17 | Air Now API by Lat/Long Service | My Air / Trending Air | Get current AQI values and categories for a reporting area by latitude and longitude. | REST | None | No |
| 18 | ArcGIS Static Source | My Air / Trending Air | Provides map styles with given coordinates | REST | None | No |
| 19 | ArcGIS REST Services | My Air / Trending Air | Provides street, topology, and ocean data for the My Air map | REST | None | No |
| 20 | GIS PUB ArcGIS REST Services | My Air / Trending Air | Provides dynamic map layers for air quality visualization | REST | None | No |
| 21 | EPA EnvMap | My Environment Mapper | Iframe generating map given zip code as parameter | Plugin | None | No |
| 22 | NAAS Authentication | My Facility Manager, Progress Tracker, To Do, App Connect | Generates and authenticates NAAS tokens for use by FRS API and the Facility Manager | SOAP | Password | Yes |
| 23 | RCS Local Government Resources | Resources for Local Communities | Local Government Resources provided via RCS | REST | None | No |
| 24 | Missouri Local Government Resources | Resources for Local Communities | Local Government Resources provided via the Missouri DNR endpoint | REST | None | No |
| 25 | CDX Register Service | Progress Tracker/ To Do | Generation and Authentication of NAAS tokens for access to Eactivity Data Flows | SOAP | Node Admin Credentials | Yes |
| 26 | CDX Network Node 2 Service | Progress Tracker/ To Do | Eactivity Dataflows information | SOAP | NAAS TOKEN | Yes |
| 27 | E-Enterprise Security Bridge | Identity Provider to access E-Enterprise Portal | Provides single sign on from different identity providers to E-Enterprise Portal | Application | None | Yes |

# Appendix B: Widget status, authentication, and data setup information

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Widget | Environment(s) | Authentication Service | If so, through which identity provider? | Requires data to be set up/available? | If so, where and what data? | Requires specific roles? | If so, which roles? | Does widget use location from workbench? | Requires onboarding toolkit? |
| 1 | CGP | * Development * Test * Production | None | N/A | Yes | * CGP Form Search Endpoint   + URL where the CGP API is hosted * CGP Content   + Text that shows in the widget | No | N/A | No | No |
| 2 | Be Well Informed | * Development * Test * Production | None | N/A | No | N/A | No | N/A | No | Yes |
| 3 | App Connect | * Development * Test * Production | Yes | Exchange Network, Facebook, Twitter |  |  | No |  | No | No |
| 4 | My Facility Manager | * Development * Test * Production | NAAS Token |  | Yes | FRS | Yes | Roles that use facilities | No | No |
| 5 | Progress Tracker | * Development * Test * Production | NAAS Token |  | Yes | Lead Applications, CEDRI Reports | Yes | CEDRI State Reviewer  CDX Lead Roles | No | No |
| 6 | To Do | * Development * Test * Production | NAAS Token |  | Yes | CEDRI Reports |  | CEDRI Certifier | No | No |
| 7 | Additional Resources | * Development * Test * Production | None | N/A |  |  | No |  | Yes | No |
| 8 | Chemical Laws & Regulations | * Development * Test * Production | None | N/A | Yes | SRS, LRS, CDX Program Facility Service, Elastic Search | No |  | No | No |
| 9 | My Environment Mapper | * Development * Test * Production | None | N/A | Yes | FRS | No |  | Yes | No |
| 10 | Trending Air | * Development * Test * Production | None | N/A |  |  | No |  | Yes | No |
| 11 | Interactive Maps | * Development * Test * Production | None | N/A | Yes | Publicly-visible ArcGIS Online Web Mapping Application | No |  | No | No |
| 12 | Favorite Links | * Development * Test * Production | Yes |  |  |  | No |  | No | No |
| 13 | My Air | * Development * Test * Production | None | N/A | Yes | FRS | No |  | Yes | No |
| 14 | Resources for Local Communities | * Development * Test * Production | None | N/A | Yes | Reusable Component Services in the Local Government Portal space | No |  | No | No |