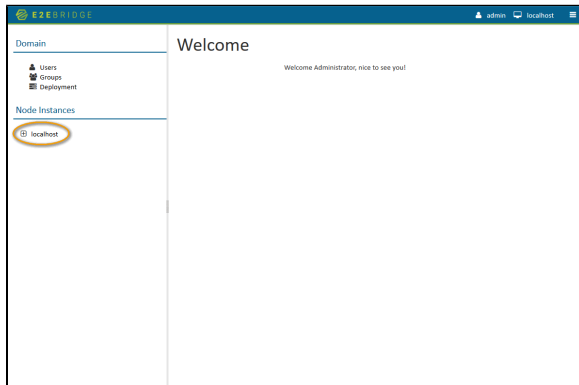# Composition of the Web-Based User Interface

Differences of the User Interface Concerning the Installation Modes

Your E2E Bridge installation can be either a stand-alone system (workstation mode) or a domain member (server mode). Depending on the installation mode, the user interface slightly differs.

Workstation Mode

In workstation mode, the E2E Bridge can only manage the local system. All hostnames are fixed to **localhost**, there is no ability to manage other node instances, and it is not possible to deploy to another node instance. There are no requisites regarding network interfaces, DNS, and hostnames in this mode.
In workstation mode, a default domain **localhost** is created during installation and is not alterable by the user.

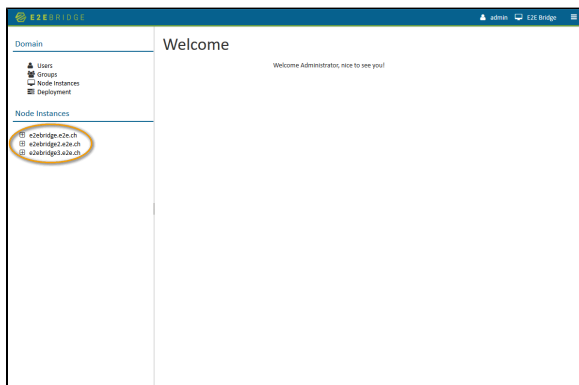After successful login, the Bridge displays the window shown below.

Server Mode

In server mode, the E2E Bridge can manage multiple installations of itself on different systems, called a domain. The domain serves as distributed data storage for user and group information. All domain members share the same user and group information. You can deploy to every domain member, not only to the current node. Using the node instance management, you can join and remove node instances from a domain, convert stand-alone node instances into a domain and vice versa. All changes are replicated over all nodes in the domain to keep them up-to-date (see also Bridge Domains).
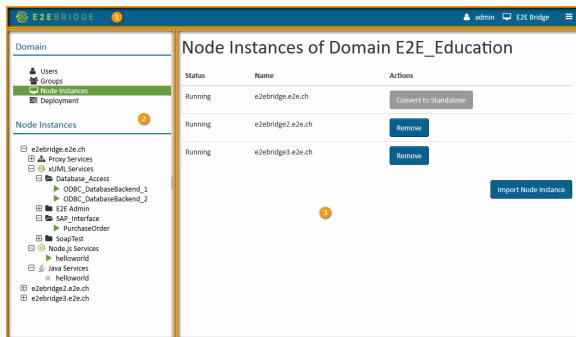
After successful login, the Bridge displays the window shown below.

If you logged in for the first time after the installation of the Bridge, you will see a different page, as the Bridge is still in status stand-alone. The node instance, to which the Bridge has been installed, is not a member of an E2E Bridge domain yet. For more details, refer to Creating an E2E Server Domain

Screen Layout

The user interface of the E2E Bridge is divided into three parts.
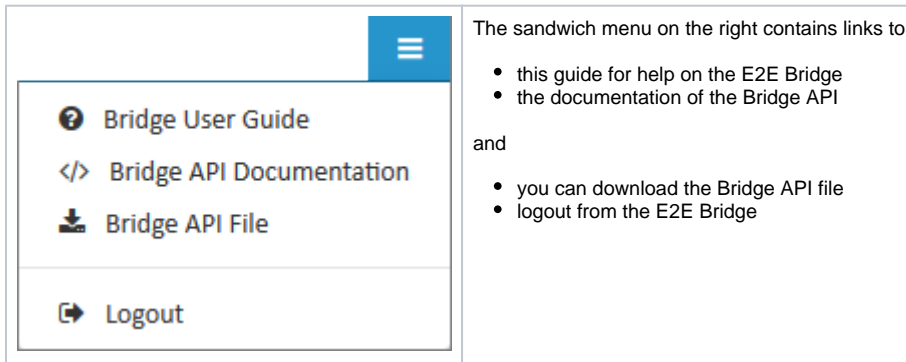

The Header

The top part 1 is called header. The header does not change while working with the Bridge. By clicking **logout** in the upper right, you will be logged out and return to the **Login** page. The header also displays the display name of the current Bridge (**E2E Bridge**) and the user id of the current user (**admin**).

By clicking the E2E Bridge logo on the left, you can go to the E2E homepage.

The sandwich menu on the right contains links to

- this guide for help on the E2E Bridge
- the documentation of the Bridge API

and

- you can download the Bridge API file
- logout from the E2E Bridge

The Navigation

The part on the left 2 is called navigation. The navigation allows you to invoke the functions of the Bridge. Furthermore, the node instances and the deployed services are listed in the navigation. You can re-size the width of the navigation by clicking and dragging its right border.

The navigation is divided into two parts:

- **Domain**:
    - Users, groups, and node instances can be managed in this section.
    - You can deploy services to this node instance.
- **Node Instances**:
    - Each node instance within a domain can be managed here. Node instances are sorted alphabetically.
    - The sub-navigation of each node instance entry is only visible if you click the node instance name. Other node instance items than the current one are always collapsed.
    - In the sub-navigation of each node instance, you can find the navigation item **Proxy Services**. It contains one proxy node instance entry.
    - Each node instance has further sub-navigation items listing the deployed services depending on their service type.
        - **xUML Services** All services are displayed in alphabetical order below their category.
        - **Node.js Services**
        - **Java Services**

The Information/Working Area

The part on the right side of the window 3 is called the information or working area. It displays logging information, detailed status information and forms, for managing users, groups, node instances, services, and the Bridge itself.

Status Messages

Status messages of the E2E Bridge such as e.g. errors or warnings that occur within the functions of the Bridge are dispayed in a message box in the top right.

Deployed Node.js service 'helloworld' (0.0.1). ✕	Information
The following setting variables are undefined: {{	Warning
Node.js service 'helloworld' already exists. ✕	Error

The errors shown in this message box are *not* runtime errors, but errors of the user interface. Runtime errors that can occur when sending, for instance, a SOAP request to a service, are listed in the logs of each service.