

HCL Z and I Emulator(ZIE) solution

Simplify & Transform your Host application & Data
access



Terminal Emulators business challenges

- Compatibility with **latest Windows platforms** (e.g. Microsoft Windows 10 64-bit operating environment)
- Integration** with desktop productivity tools (e.g. Microsoft Office and Excel)
- Support for the latest **security standards** (e.g. TLS 1.2)
- High Cost & Complexity** due to multiple vendors emulators and maintenance
- Audit & Compliance** for License usage
- Support for **Modernization/Automation** features
- Support for **extensive languages** BiDi & DBCS



HCL ZIE solution offerings

ZIE for Windows - Simple & Modern

Proven & reliable Microsoft Windows desktop emulator for access to Mainframe applications and data.

ZIE for Web - Mobile & On Demand

Browser-based emulator to simplify host access to Remote & mobile users.

ZIE for Transformation - Business Transformation

Transform mission critical terminal application to Web, mobile, portal or RESTful web services without changing application source code.



ZIE for Web Overview

- ZIE for Web is a security-rich browser emulator solution that simplifies access to business-critical applications & data on **IBM z System (Mainframe)** and **IBM System i (AS/400) systems**.
- Provide Web access to remote users, business partners, suppliers, Sales personnel (intranet & extranet).
- **Reduce maintenance costs and increase ROI** by installing ZIE Web and eliminate the need to manage individual user desktops.
- Provides Host Access Toolkit Class Library (HACL) for creating **customized e-business applications**.
- **Provides powerful integration with development tools** via Emulator High-Level Language Application Programming Interface (EHLLAPI) and Host Access Class Library (HACL) API's.
- **Most Secured connections to host** that supports Transport Layer Security (TLS) 1.2 with Federal Information Processing Standard (FIPS).
- **License Manager for real-time tracking** of the number of licenses in use.



Centralized configuration Management

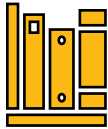
Administrators can centrally define and control all session configuration information available to their users, including connection options, security features, macro definitions, keyboard specifications, and color mappings.



- ✓ **Automatic deployment & Upgrade** - Simplify maintenance and upgrades with direct installation and administration from the web server
- ✓ **User Access Control** - manage user and group accounts and can allow users to run/record macros, change connection settings, appearance of the emulator, file/data transfer features etc.
- ✓ **Emulator properties** - Set properties like Color mapping, keyboard mapping, appearance of session (fonts)
- ✓ **Security feature** - Admin can configure your Web server to use TLS, so that the data stream from your Web server to your browser is encrypted
- ✓ **Session Information** - Admin can configure host sessions for groups or for users
- ✓ **Macro definition** - configure a centralized macro library where macros can be distributed to Users Sessions

ZIE Host access toolkit

Create custom on-demand applications rapidly with ZIE Host access toolkit including Host Access Beans for Java and use the Host Access Class Library (HACL) for quick and easy access to host applications.



Host Access Class Library

- Build application with capabilities to read and write the host presentation space.
- Read OIA, transferring files, and performing asynchronous notification of significant events.

ZIE Host Access Toolkit



Host Access Beans

- Develop custom applications that deliver the specific functionalities in their host access applications.
- For e.g. use Session bean to render Host data from the Session



J2EE Connector

- Connect and integrate your applications with backend EIS or any app server



Simplify License Management

ZIE License Manager is the license control tool specifically used for tracking the license information for the Mainframe Terminal emulator products

As a License Manager administrator, you can perform the following tasks:

- **Configure the number of emulator licenses**
- **Monitor the number of users currently active**
- Configure the log settings
- View or download the log files



ZIE solution highlights



- Font scaling, Wide-screen display & high resolution
- New-age Visual style



- Single Sign on – Macro Based, Connection based & Certificate express logon



Powerful API's to support automation



Simple License Management



Client Workstation

Telnet connection between Host-Client

TN 3270 or TN 5250



IBM-I / Z



TLS 1.2 compliance with FIPS (Default to MSCAPI)



Stay current with OS levels and its Virtualization



Extensive Support of Macro record & playback



Simpler way to Migrate from older version

New features highlights



ZIE Web Service Manager

- Centralized management of configuration files



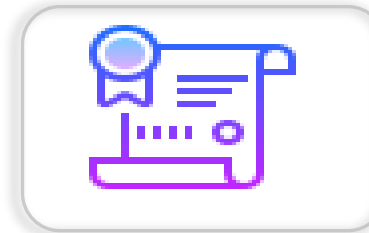
Support for **New Japanese Era (Reiwa)** character set.



Stay current with all supported OS levels [server and client] and its Virtualization



IBM **Java Runtime Environment (JRE)** is upgraded to version 1.8 SR5



JAR signer certificate upgraded with a new code signer to handle certificate expiration.

Why ZIE for Web

- ❑ **Modernize your host access** with automation capabilities
- ❑ **Increase user productivity**- take advantage of the productivity tools and powerful API interfaces
- ❑ **Secured access** of business-critical application & data
- ❑ **Optimize emulator licensing cost**
- ❑ Simplify emulator **License management and Audit ready**
- ❑ **On Demand access** to remote technical & business users
- ❑ **HCL Migration service & ongoing support**

Free Trial & Additional Information

30 Day Free Trial

<https://hcltechsw.com/wps/portal/products/mainframe-solutions/mainframe-solutions-free-trial>

Pre-requisites for HCL ZIE Web

https://ziweb.hcldoc.com/help/topic/com.ibm.hod.doc/ZIEWeb_SW_RQ.HTM

More details about ZIE features

<https://www.hcltechsw.com/products/zie/offerings/zie-for-web>



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