HCL ZIE emulator solution

Simplify & Transform your Host application & Data access
Terminal Emulators business challenges

- **Compatible to 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 to Modernize/Automation features**
- **Support for extensive languages** BiDi & DBCS
HCL ZIE Terminal emulator 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.
Green Screen Modernization/ API

**What**
In Simplest words it’s the way your business can keep up with the technological pace of the world

**Why**
Drive business growth and strategy across various departments.
Brining up new interfaces encourage more business user’s interaction with system

**How**
Transformation of existing Classic Business Applications

**When**
When systems are legacy or too complex to rewrite, or you just need to expose a few flow from existing applications.
ZIE for Transformation is a modernization solution that transforms legacy Green applications running on Mainframe z/OS and AS400 platforms to a Web and rich client applications.

Web applications can be developed with an interface that matches your company's Web or portal pages, and your users can access them through their Web browsers.

Provide access from mobile devices such as cellular phones, data collection terminals, and personal digital assistants.

Quickly transforms your text based terminal applications into intuitive Web, portlet, rich client and Mobile device UI’s.

Greater customer satisfaction

No need to rewrite or refactor existing applications, its built on open, proven platforms and technologies.
Generate screens to Web / Mobile using HCL ZIE for Transformation

Day 0: Simple

Modern UI
- All pages share the same theme and style
- Can be based on an existing design

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F3=Exit  F12=Cancel  F10=Left  F20=Right  F21=Split
Generate screens to Web / Mobile using HCL ZIE for Transformation

Modern UI
- All pages share the same theme and style
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Instant Value
- Default rendering transforms actions to clickable links and buttons.
- No changes to the host application.

Day 0:

Day 1:
Simple
Generate screens to Web / Mobile using HCL ZIE for Transformation

Day 0:

Day 1: Simple

Day 2: Medium

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Integration
• Replace text with images.
• Populate Input fields with other screens data from database.
• Convert date field to calendar widgets and many more!
Generate screens to Web / Mobile using HCL ZIE for Transformation

Day 0:
Day 1: Simple
Day 2: Medium
Day 3: Complex

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**Aggregation**
- Merge and display data from other screens, databases or systems with the host data.
- Stats using Graphs open-source APIs, etc.

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**Day 0**
Generate screens to Web / Mobile using HCL ZIE for Transformation

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**Day 1**
Simple

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**Day 2**
Medium

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**Day 3**
Complex

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**Day 4**
Further Customization
Web Services/ Web Transformation

How to transform green screens to Web / Mobile via ZIE for Transformation?

1. Develop / Test
2. Deploy
3. Access
4. Connect
5. Transform

Client

Application Server
ZIE for Transformation Enterprise Application/Portlet

Development Environment

Any App Server supported by ZIE for Transformation

- IBM WebSphere
- Oracle WebLogic
- IBM WebSphere Server Liberty
- Apache Geronimo
- JBoss EAP Server

Telnet Server
3270 or 5250

WebFacing Server
5250W

- REST, SOAP, WebServices over HTTP
- HTML over HTTP (S)

- Integrated Solution
- Web Browser
- Application
Green screens to Web Services / APIs

How to create Green screens to web services / APIs

- Build reusable transactions
- All the data/information accessible from green screens can be converted to Web Services.
- Expose host business processes as standard Web Services
- Exposes SOAP, WSDL & HTTP based REST web services (XML and JASON format)
- Supports HTTP GET, PUT, POST, DELETE Methods

Creating Web Services (REST for example) is a very simple and efficient process going through the flow:

- Record a macro.
- Generate Integration Objects from it.
- Generate requires REST API from Integration Objects.
- Deploy ZIE for Transformation project in Web Server.
- Access the API in Integrated HR Solution Portal
Why Transformation using HCL ZIET?

**Low/Zero** Risk solution in Modernization

**Realize Quick ROI** through Business Process Transformation

**Modernize** & maintain your business critical applications with New Workforce

**Low Cost** Modernization solution

**Increase business user productivity**

**Innovation through integration with Business Applications**
ZIE for Transformation Salient Features

Security
• TLS 1.2 compliant

SWAGGER
• REST services from ZIET integrates with z/OS Connect EE, a boon to access Green Screen applications through API’s
• Ease of API management and consumption

MAC Support
ZIET to be supported on MAC OS Platform

JAX RS 2.0
• Support for JAX RS 2.0 - This support leverages recent runtime capabilities on RESTAPI

HTML5
• HTML5 based “out of the box” templates
• “Serene” template with “responsive” design

Larger Screen Size
• Transformation support for larger screen size terminals up to 62” x 160”
ZIE for Transformation Service offerings

- Design Thinking workshop
- Proof of Concept
- Planning & Implementation
- Production support
- Hands on Lab Training
Additional Information

30 Day Free Trial

More details about ZIE features
https://www.hcltechsw.com/wps/portal/products/zie/offerings/zie-for-transformation