

## WEB-THIN LICENSE

The Tun Plus Web-Thin License gives IT/IS managers the flexibility to meet many of their organisation's host access requirements. This concurrency-based license allows you to deploy comprehensive Tun Plus host, database, and network-utility access using either the Tun Plus Web-to-Host solution or Multi-User Windows solution. Either of these "thin" server-based technologies provides critical enterprise access while reducing impact on network and human resources.

### ADVANCED ACCESS MANAGEMENT

When you choose the Tun Plus Web-Thin license, you can deliver host access to users on virtually any client device at any location. The Tun Plus Web-Thin License offers two concurrency-based solutions.

- ◆ **TUN PLUS WEB-TO-HOST**
  - comprehensive Tun Plus access through leading web browsers.
- ◆ **TUN PLUS MULTI-USER WINDOWS**
  - the same host, database, and network-utility access for virtually any client type via Citrix<sup>®</sup>, MetaFrame<sup>™</sup> and Windows<sup>®</sup> Terminal Services.

The Tun Plus Web-Thin License allows you to implement either solution, giving you the ability to manage your organisational host needs – for green-screen power users, occasional Windows-style users, or mobile and remote users – with the right level of access to business-critical information resources.

A new concept in host access management, the Web-Thin license can help you lower the costs of providing host access. The centralised management and deployment features simplify maintenance and distribution updates, eliminating the need to manage individual desktops. The result is reduced administrator and support personnel workload. Costs are further reduced by the concurrent licensing model, which permits a maximum number of users at any given time as long as the number of users doesn't exceed the total number of licenses purchased.

### COMPLETE TUN PLUS BY ESKER

As always, both Tun Plus solutions deliver comprehensive host access plus broad connectivity to leading databases and critical network utilities.

- ◆ **CUSTOMISABLE TERMINAL EMULATION.**

Tun Plus provides over 30 terminal emulation types, including IBM<sup>®</sup> 3270 and 5250 – as well as full 3287 and 3812 printer support – HP<sup>®</sup>, DEC<sup>®</sup> VT, SCO<sup>®</sup> Unix, and more.

Tun Plus customisation tools let administrators create user-friendly Windows-style emulation views – adding colors, graphical toolbars and function-key panels, mouse support, and hot spots. Customisation is easy with drag-and-drop keyboard mapping and over 340 programmable actions.
- ◆ **INTEGRATED DATABASE ACCESS.**

Tun Plus also provides easy access, via the Tun Plus universal ODBC driver, to most popular databases and file structures – DB2<sup>®</sup>, Oracle<sup>®</sup>, Informix<sup>®</sup>, Sybase<sup>®</sup>, Progress<sup>®</sup>, and others.

Easy-to-use tools help simplify database access. Administrators can replace database terminology with practical business terms and regroup data tables for more intuitive interactions.
- ◆ **NETWORK UTILITIES.**

Tun Plus includes TCP/IP connectivity to critical network resources. FTP, NFS, and LPD/LPR make file and printer sharing easy. Also included are a full range of server-based components – LPD, NFSD, FTPD, and RSHD.

### SHARED TECHNOLOGIES

As user populations or deployment needs evolve, Tun Plus helps you manage the change. Shared technologies unify the Web-to-Host and Multi-User Windows solutions and enable easy migration.

- ◆ **WORKSPACE.**

Both solutions feature a tabbed Workspace that allows users to launch multiple sessions from diverse hosts at one time for improved information integration and greater productivity.
- ◆ **FULL-FEATURED CLIENTS.**

Both solutions offer the same full-featured clients – with graphical toolbars, keyboards, client-side macros, and other user-oriented functions.
- ◆ **JAVA<sup>®</sup> AND ACTIVE-X<sup>®</sup> SUPPORT.**

Supporting both Java and ActiveX, all leading Web-to-Host emulations can be accessed from any leading browser.
- ◆ **CUSTOMISABLE WEB CLIENTS.**

Administrators can customise Web-to-Host clients to streamline access, providing quick, thin access for remote users and full-featured access for network users.
- ◆ **SECURITY.**

For web deployments, Tun Plus includes X.509 server certificates and Triple DES security via an SSL proxy for secure client connections.

### ONE PRODUCT FOR HOST ACCESS

Delivering broad resource access in one product with two powerful solutions, the Tun Plus Web-Thin License offers your organisation better host access and host access management.

#### For more information, contact one of our locations:

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# TUN PLUS BY ESKER — TECHNICAL SPECIFICATIONS WEB-THIN LICENSE

## INCLUDED TECHNOLOGIES

- ◆ Web-to-Host
- ◆ Multi-User Windows

## TERMINAL EMULATION

### VALUE-ADDED FEATURES FOR ALL EMULATIONS

- ◆ Multiple Document Interface (MDI) Workspace with dynamic font scaling for multi-session support
- ◆ ActiveX and Java clients (Web-to-Host)
- ◆ Supports client/server and web development tools compatible with Microsoft® COM architecture
- ◆ Enhanced Hotspots and Hotlists
- ◆ Graphical and configurable keyboard mapper
- ◆ Menu and toolbar customisation with generation of pre-configured emulation executables
- ◆ Graphical screen configuration with full color support
- ◆ Floating or dockable function-key panels with graphical editor
- ◆ Copy and paste
- ◆ Screen printing
- ◆ Customisable character tables (national character sets)
- ◆ Macro-language: Esker script, VBScript, and JScript® including a macro recorder with password encryption
- ◆ Online help

### SYNCHRONOUS TERMINAL EMULATIONS

- ◆ 3270 models: 3278 display (models 2, 3, 4, 5); 3279 display (models 2A, 2B, 3A, 3B)
- ◆ 3270 printer: 3287 supporting SCS (LU1), DSC (LU3), and transparent modes
- ◆ 5250 models: 3179-2, 3296-A1, 5251-11, 5291-1, 5292-2, 3180-2, 3477-FC, 3477-FG
- ◆ 5250 printer: 3812 in SCS (LU1), transparent modes
- ◆ Connectivity: TN5250, TN5250E, TN3270, TN3270E; native connections to Microsoft SNA Server (FMI & LUA interface) and intraNetWare for SAA gateway (LUA interface) via ActiveX
- ◆ HLLAPI support (Multi-User Windows/3270 emulation)
- ◆ Euro character support

### SPECIFIC VALUE-ADDED FEATURES

- ◆ Support of APL characters, OIA toolbar status
- ◆ Extended attribute support (3270 emulation)
- ◆ Multiple IND\$FILE file transfers with host data set browsing
- ◆ Enhanced firewall support via NVT mode (5250 emulation)

### ASYNCHRONOUS TERMINAL EMULATIONS

- ◆ Hewlett-Packard® HP 2392A, 2394, 700/92, 700/94, 700/96, 700/98
- ◆ DEC VT 52, 100, 220, 320, 420, 520
- ◆ SCO ANSI and ANSI
- ◆ IBM 3151 and HFT
- ◆ Bull® DKU 7102/7202 (SDP, VIP modes)
- ◆ Wyse® 50 and 60, Unisys® TO300, Philips TM266, Minitel, Siemens BA80-08 and 97801, Linux® console, Interactive Unix console AT386, Alcatel® APX AT300, Fortune FT, Data General® Dasher® D412
- ◆ Connectivity: TCP/IP (WinSock), NVT/IPX, Int 14h, Int 6Bh, serial connections (COM1-COM32), modem auto-dial, TAPI support for modem

### SPECIFIC VALUE-ADDED FEATURES

- ◆ Documented API, 30 objects described (properties, methods, events)
- ◆ Illustrated samples of Visual Basic®, Delphi™, and JScript codes
- ◆ Total terminal customisation (function keys, control codes, escape sequences, character sets) featuring 350 configurable actions
- ◆ Euro character support (VT, SCO, IBM 3151)
- ◆ File transfer: X, Y, Z modem, Kermit, RTUNPLUS

### NETWORK UTILITIES

- ◆ FTP (client & server, multi-connection, automatic character conversion, macro-language) via ActiveX
- ◆ Bi-directional LPR/LPD printer sharing for Windows XP/2000/NT/98/95

- ◆ NFS client and server: NFS v2 and v3 for Windows XP/2000/NT/98/95
- ◆ Network tools: TFTP client & server, Telnet VT320, RSH/REXEC command & RSHD command server, WALL & WALLD (broadcast capabilities), TIME (time synchronisation via TIME, SNTP protocols), PING, TAR (PC backup)

### DATABASE ACCESS

- ◆ Databases Supported:
  - Windows 2000/NT®: DB2 for NT, Oracle v7, Informix v7, Progress v6-8
  - Unix: DB2/6000, Oracle v7, Informix v5 and 7, Sybase v10, Progress v6-8; C-ISAM files (v4-7), open driver developer API, COBOL data types (RM-COBOL, MicroFocus COBOL, ACU-COBOL)
  - IBM MVS mainframe: DB2 for OS/390
- ◆ Unix Servers Supported:
  - SCO Unix, Sun® OS 4.1, Solaris® 2.5, AIX® 3.2 and 4.1, HP-UX® 10.x, DEC Unix 3.2 (OSF1)

### VALUE-ADDED FEATURES

- ◆ Universal ODBC client driver to access all supported databases
  - ◆ Database configuration tool
  - ◆ Encrypted password storage for automated connections
- ### ADMINISTRATION (WEB-TO-HOST)
- ◆ Browser-based administration tool
  - ◆ Users and groups management
  - ◆ LDAP directory support for users, groups, configurations
  - ◆ Drag-and-drop assignment of resources to users
  - ◆ New Session Wizard to create emulation configurations
  - ◆ Publication to any intranet (URL Access) or Tun Plus DeskTop

### VALUE-ADDED FEATURES

- ◆ Ready-to-use samples included with Getting Started page
- ◆ Local or remote centralised administration
- ◆ Automatic and transparent user authentication for user customisation
- ◆ Import of Windows 2000/NT users for automatic user authentication
- ◆ User profile management (light or full-featured component size)

### SECURITY

- ◆ SSL 3.0
- ◆ DSA authentication
- ◆ Diffie-Hellman key agreement
- ◆ X.509 certificates (generic certificate included; personalised certificates available)
- ◆ Encryption/Encoding
  - MD5
  - SHA-1
  - 40-bit DES
  - 56-bit DES
  - Triple DES
- ◆ Secure web server compliant

### MINIMUM REQUIREMENTS

#### WEB-TO-HOST

- ◆ Web Server
  - Windows 2000, or NT 4.0+SP4
  - Microsoft Internet Information Server 3.0, 4.0, 5.0, 6.0, or Netscape FastTrack® or Enterprise Server
- ◆ LDAP Server: Esker LDAP, or Netscape Directory Server
- ◆ Administrator Machine
  - Pentium 120 with 32 MB RAM
  - Windows XP/2000/NT 4.0/98/95
  - Microsoft Internet Explorer 4.01+SP1 or higher
- ◆ End-User Machines
  - Pentium® 120 with 32 MB RAM
  - Windows XP/2000/NT/98/95
  - Microsoft Internet Explorer 4.01+SP1 or higher, or Netscape Navigator® or Communicator 4.5, 4.6, or 4.7

#### MULTI-USER WINDOWS

- ◆ 40 MB of disk space
- ◆ PC scaled with requirements for Citrix WinFrame™ 1.6/1.7/1.8, Citrix MetaFrame 1.0/1.8, or Microsoft Windows Terminal Services (with or without MetaFrame)

*Some functionalities are not available for Java clients. Contact Esker for specific information.*