

The innovative Tun Plus All-Access License gives IT/IS managers complete freedom to meet their organisation's unique host access requirements. Tun Plus by Esker is one product uniting three powerful solutions – PC-to-Host, Web-to-Host, and Multi-User Windows. All three provide the same comprehensive Tun Plus host, database, and network-utility access. With the All-Access license, you can deploy these solutions in any combination to meet the needs of all your varied users. As your users' needs change, they can easily migrate from one Tun Plus solution to another.

INNOVATIVE ACCESS MANAGEMENT

By choosing the Tun Plus All-Access license, you can deliver host access to every user, at any client device, on any platform, and at any location. This breadth of delivery is made possible by Esker's redesign of Tun Plus as one product embracing three solutions:

- ◆ **TUN PLUS PC-TO-HOST**
 - comprehensive Tun Plus access for any PC running Microsoft[®] Windows XP[™], 2000, NT[®], 98, or 95.
- ◆ **TUN PLUS WEB-TO-HOST**
 - the same host, database, and network-utility access through leading web browsers.
- ◆ **TUN PLUS MULTI-USER WINDOWS**
 - complete access for virtually any client type via Citrix MetaFrame[™] and Microsoft Windows[®] Terminal Server.

The new Tun Plus allows you to keep pace with the latest developments in connectivity and provide all your users – green-screen power users, occasional Windows-style users, or mobile and remote users – with the right level of access to business-critical information resources.

An innovation in host access management, the All-Access License helps you consolidate all your host access needs under one product and vendor, relieve your system administrators and support personnel, and reduce the costs of providing host access.

COMPLETE TUN PLUS BY ESKER

As always, Tun Plus delivers 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[®] 3270 and 5250 – as well as full 3287 and 3812 printer support – HP[®], DEC[®] VT, SCO[®] Unix, and more.

Powerful Tun Plus customisation tools let administrators create user-friendly Windows-style emulation views – adding colors, graphical toolbars and function-key panels, mouse support, and clickable 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[®], Oracle[®], Informix[®], Sybase[®], Progress[®], and others.

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

◆ NETWORK UTILITIES.

Tun Plus also 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 PC-to-Host, Web-to-Host, and

Multi-User Windows solutions and enable easy migration for user, administrator, and IT manager.

◆ WORKSPACE.

All solutions feature a tabbed Workspace that allows users to launch multiple sessions from diverse hosts at one time.

The multi-document Workspace promotes productivity by streamlining information integration.

◆ FULL-FEATURED CLIENTS.

All three solutions offer the same full-featured clients – with graphical toolbars, keyboards, client-side macros, and other user-oriented functions.

◆ IMPORTABLE SESSIONS.

Sessions created in the PC-to-Host solution can be readily imported into Web-to-Host, so as users migrate to web-based connectivity, they experience no change in access or workflow.

◆ SECURITY.

For web deployments, Tun Plus includes X.509 server certificates and Triple DES security via an SSL proxy for secure client connections. Tun Plus offers secure copy protocol (SCP), a safe alternative to file transfer protocol (FTP).

ONE PRODUCT FOR HOST ACCESS

Delivering unparalleled resource access in one product with three powerful solutions, the Tun Plus All-Access License offers your organisation the best in host access and host access management.

For more information, contact one of our locations:

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Tun Plus by Esker — Technical Specifications

All-Access License

INCLUDED TECHNOLOGIES

- ◆ PC-to-Host
- ◆ 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 (PC-to-Host, 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
- ◆ Secure copy protocol (SCP)
- ◆ 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

PC-TO-HOST

- ◆ Pentium®-class PC (120 MHz or greater)
- ◆ 32 MB RAM and 40 MB of disk space
- ◆ Microsoft Windows XP/2000/98/95, NT 4.0/3.51

WEB-TO-HOST

- ◆ Web Server
 - Windows XP/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.

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