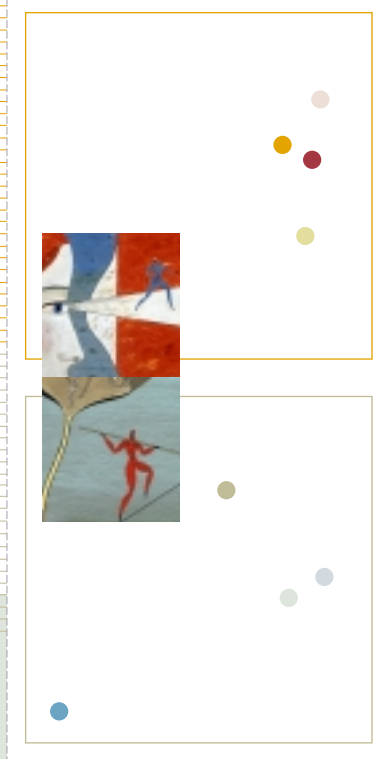


secure

protect

extend

enable



TUMBLEWEED COMMUNICATIONS

# SECURE CONTENT MANAGEMENT

... TO ENABLE THE BUSINESS INTERNET



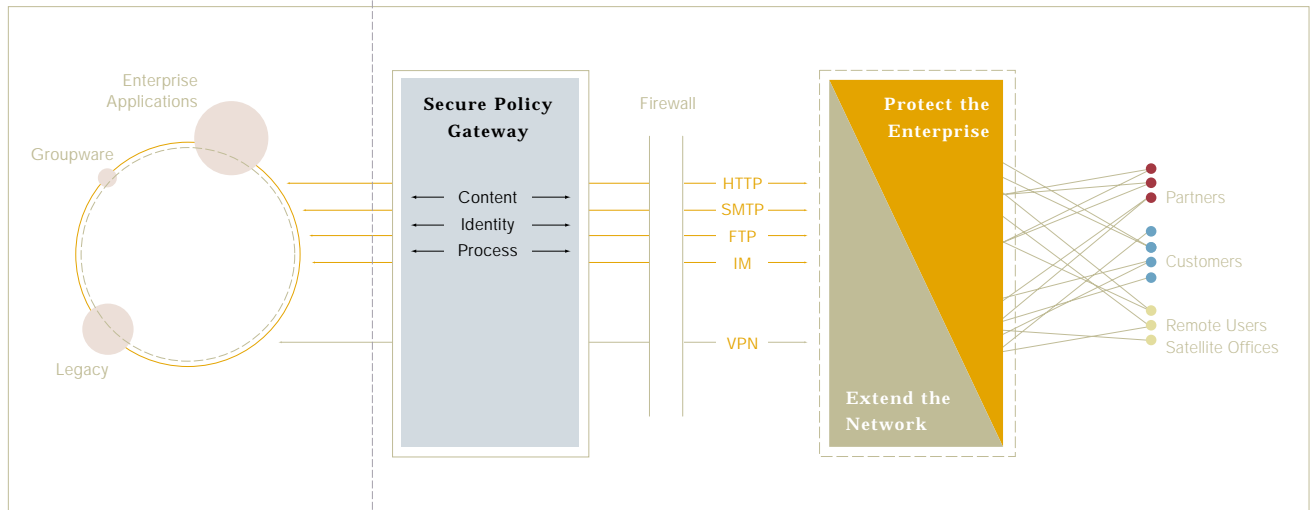


## THE BUSINESS INTERNET: TWIN CHALLENGES

The Internet has revolutionized global business communications, enabling a dramatic increase in the flow of information across the extended enterprise while reducing communication costs, maximizing business efficiencies, and strengthening business relationships. As today's organizations move more and more business-critical communications and processes to the Internet, this revolution brings with it twin challenges.

**On the one hand you must protect your enterprise like never before.** You must ensure that confidential, proprietary, and sensitive information such as trade secrets, financial reports, customer data, and future product plans are not unintentionally disclosed to parties lacking authorized access. You must be vigilant against the constant threat of viruses and unsolicited e-mail that can bring a network to its knees, directly impacting your bottom line and business goodwill. You must comply with increasing government and industry regulations. And you must reduce your exposure to legal liabilities and fraud through the universal and consistent application of corporate policies and procedures.

**On the other hand you must extend your network outward like never before.** To realize the full potential of the business Internet, you must increase communication and collaboration with those outside your corporate firewall—extending your reach and visibility to the farthest edges of the network. You must provide high levels of interoperability with partners and customers to streamline business processes and enhance customer service and loyalty. You must maximize business efficiencies by using the Internet for customer bill and statement presentment, partner relationship management, order and forms processing—and more.



**Tumbleweed Secure Policy Gateway** A centralized policy engine applies deep intelligence to securely manage both inbound and outbound communications across the entire extended enterprise.

## NEXT-GENERATION INTERNET SECURITY

### **Traditional solutions secure the network—not the content that flows through it.**

When it comes to addressing these dual business challenges—protecting your enterprise while extending your network—traditional security solutions, by themselves, are no longer enough to address today's sophisticated network environments. Firewalls, for instance, provide only a limited line of defense in the protection of internal corporate assets as HTTP, SMTP, FTP, IM and other Internet ports must be left open to facilitate core business communications and transactions. Virtual Private Networks, while effective for remote employees, pose limitations when it comes to partners and customers because they expose such external audiences to the entire network. And application-specific security solutions require a great deal of customization, necessitate costly end-user behavior changes, and often prove very cumbersome to manage at the desktop level.

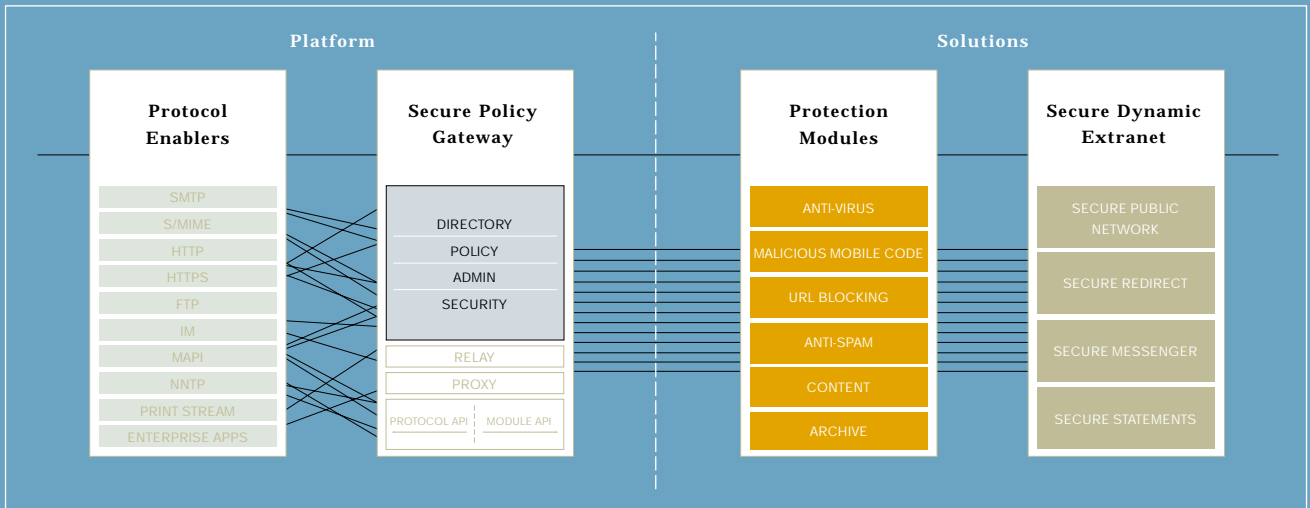
### **Tumbleweed secure content management raises the bar.**

Focused on enabling the business Internet, Tumbleweed® Communications empowers organizations to secure and manage the actual content that flows across the extended enterprise. Setting Tumbleweed apart from other offerings, our application-independent Tumbleweed Secure Guardian framework enables organizations to standardize on a single set of enterprise-wide security policies to intelligently govern both inbound and outbound communications—driving significant cost reductions. This highly extensible, strategic framework complements “network” level security investments by adding security and management at the “content” level. As a result, organizations can better protect critical information assets—while enabling greater information sharing and collaboration when in the best interests of the enterprise.

#### TUMBLEWEED AT-A-GLANCE:

Founded in 1993 • Headquartered in Redwood City, CA with offices worldwide • Publicly traded NASDAQ: TMWD • [www.tumbleweed.com](http://www.tumbleweed.com)





**Tumbleweed Secure Guardian** A highly flexible and scalable secure content management framework is easily configured to meet any enterprise protection or network extension need.

## UNPARALLELED, TWO-WAY FRAMEWORK: HIGH ROI, LOW TCO

Tumbleweed Secure Guardian augments and extends traditional, network-focused security solutions by adding a critical layer of content-focused security management. Sitting between your enterprise systems and applications and your corporate firewall, it provides centralized security for both incoming and outgoing communications. How? By intelligently analyzing and managing three critical and interrelated factors: the *content* that travels over the network, the *identities* of senders and receivers, and the business *processes* that direct the proper flow of information across the extended enterprise.

**Centralize and enforce content security policies at the enterprise-wide level.** At the heart of Tumbleweed Secure Guardian is the Secure Policy Gateway. This centralized gateway enables you to consolidate and universally apply two-way security policies across your entire enterprise—even at the hard-to-secure network edges. It scans both inbound and outbound content and takes action when necessary. For example, a brokerage house might have a policy that prohibits the use of the phrase “guaranteed return” in investor communications. If so, the Secure Policy Gateway would automatically kick back any outgoing e-mail message a broker attempted to send to an investor in which those specific words were detected—and then, perhaps, alert the broker’s supervisor for follow up. Consistent, centralized application of such policies minimizes business risk while maximizing communication and collaboration.

“We required an efficient online communications channel that would provide immediate access to critical [customer] account information without sacrificing security and confidentiality. Tumbleweed Secure Guardian delivers what we require.” **charles kim vp, operations technology, diners club**

“With Tumbleweed Secure Guardian we can centrally define the government’s policies for Internet e-mail usage, without” **rich rogers cio, health first**



## A STRATEGIC SOLUTION FOR TODAY AND FAR INTO THE FUTURE

**Application independence means no system, protocol, or user behavior changes.** Because Tumbleweed's robust Secure Policy Gateway applies security policies across the whole enterprise, you don't have to purchase, deploy, or manage any complex desktop software to reap its many benefits. Nor do you have to make any changes to your existing enterprise systems, applications, or protocols—as is often required with point product solutions. Nor do end-users have to change how they work or learn new behaviors. Tumbleweed Secure Guardian elevates secure content management to a strategic, enterprise-wide level, resulting in a significantly lower total cost of ownership and a measurably higher return on investment.

**Securely extend your network as your enterprise communication needs evolve.** Appreciating that every industry and organization has unique requirements that change and grow over time—Tumbleweed Secure Guardian is designed to be highly flexible, extensible, and scalable. A broad spectrum of modular solution suites can be mixed and matched to address your specific needs. For example, if secure e-mail is your top priority, you can start there and add secure web, instant messaging, hub-and-spoke partner network, statement presentment, archiving, redirection, and many other capabilities as your business needs evolve. Over 1,000 global enterprises have chosen Tumbleweed's strategic offering to securely manage the two-way flow of all forms of business content at the enterprise level—and realized the many bottom line business benefits.

**Learn more today.** For more information on Tumbleweed and how its visionary secure content management solutions can help you protect your enterprise and extend your network, please visit [www.tumbleweed.com](http://www.tumbleweed.com).

and enforce compliance with our own and with  
taxing either our end-users or our vital IT resources."

"Using Tumbleweed's built-in security features—including SSL, document encryption, and user authentication—Chase will be the first bank to use the Internet for mass distribution of customer data and documents" **susan j. webb senior vp, chase treasury solutions, chase manhattan bank**

AMERICAN CENTURY SERVICES IHM AMERICAN E  
 MORGAN CHASE JAPAN RESEARCH INSTITUTE HIT  
 BANKEN COMMONWEALTH OF PENNSYLVANIA GAP  
 TRAVELERS INDEMINITY COMPANY EUROPEAN COM  
 TOYO INFORMATION SYSTEMS HIKARI TSUSHIN V  
 UNION MINIERE FRANCE TELECOM MOBILS DISTRIBL  
 REGUS BRIDGEPOINT CAPITAL FIRST UNION  
 MARLBOROUGH STIRLING FRESHFIELDS GIBSON  
 ZIONS BANK FIRST SECURITY SERVICE AXA/EQUI  
 SYNTEGRA PPEP BROBECK PHLEGER & HARRISO

**TUMBLEWEED SECURE GUARDIAN AT-A-GLANCE:**

**Secure all forms of business content**

E-mail, Web, groupware, enterprise applications, legacy data, online statements, documents, instant messaging, chat, streaming media

**Extend and protect two-way communication**

Inbound: Content filtering, anti-virus, anti-malicious mobile code, anti-spam. Outbound: Statement presentment, message monitoring, secure redirection, Secure Public Network

**Apply enterprise-wide policies at the gateway**

Consistent policy application, low cost of management, no workforce retraining, seamless enterprise integration

● **Increase business security**

● **Increase business collaboration**

● **Increase business efficiency**

**1,000+ GLOBAL ENTERPRISES RELY ON TUMBLEWEED FOR SECURE CONTENT MANAGEMENT** MOTION PICTURE ASSOCIATION KOCH INDUSTRIES BEST FOODS DAVIS

TURNER TOTAL ZA PHOENIX HOME LIFE INSURANCE FEDSURE HOLDINGS NTL GROUP ALLEGRO NET FIRST AMERICAN OGLIVY & MATHER AMGEN FIRST  
 CITIZENS BANK & TRUST ORRICK, HERRINGTON & SUTCLIFFE APL OAKLAND FIRST SECURITY SERVICE ROBERT HALF INTERNATIONAL AVERY DENNISON FLORIDA  
 POWER AND LIGHT PACIFICARE ARIZONA PUBLIC SERVICE FREIGHTLINER PEOPLESOFT BC TEL GAP PHELPS DODGE BECKMAN COULTER PRESBYTERIAN  
 HEALTHCARE SERVICES BELL ATLANTIC RABBOBANK NEDERLAND ING VARIABLE ANNUITIES HELLER EHRMAN WHITE & MCAULIFFE HALIFAX BUILDING SOCIETY  
 RECKITT BECKISER CALIFORNIA FEDERAL BANK JACOBS ENGINEERING PACCAR INCORPORATED CANACCORD JC BRADFORD ROYAL BANK OF CANADA  
 CATHOLIC HEALTHCARE WEST KIMBERLY CLARK SAFECO CHEVRON KMART CORPORATION SAFEWAY CIGNA HEALTHFIRST FLORIDA SANDIA NATIONAL  
 LABORATORIES CLARICA LIFE LEHMAN BROTHERS SUTTER HEALTH MASS MUTUAL LIFE INSURANCE PITNEY BOWES CREDIT SUISSE FIRST BOSTON JOHN  
 DEERE MEDIAONE GROUP MERRILL LYNCH TURNER BROADCASTING/CNN DUNN & BRADSTREET METROPOLITAN LIFE INSURANCE US BANCORP ENTRUST  
 NATIONAL ASSOCIATION OF SECURITY DEALERS US CLEARING/FLEET E-TRADE NATIONAL SEMICONDUCTOR US DEPARTMENT OF ENERGY NIKE SILICON VALLEY  
 BANK CANADA POST LA POSTE (FRANCE) SWISS POST UNITED PARCEL SERVICE UNITED STATES POSTAL SERVICE POSTEN SDS (NORWAY) UPAQ  
 MESSAGEMEDIA MAIL.COM US GENERAL SERVICES ADMINISTRATION US FOOD AND DRUG ADMINISTRATION INSTALLSHIELD LABONE DOWNEY BRAND SEYMOUR  
 & ROHWER SAUL EWING REMICK & SAUL WINTHROP STIMSON PUTNAM & ROBERTS SILLS CUMMIS RADIN TISCHMAN EPSTEIN & GROSS AMERICAN EXPRESS  
 MITSUI NORTHERN TRUST COMPANY CANON INFORMATION SYSTEMS PRUDENTIAL SECURITIES JAPAN RESEARCH INSTITUTE HITACHI DIAMOND COMPUTER  
 SERVICE MKI CTC NTT.COM SALOMON SMITH BARNEY SKANDANISKA ENSKILDA BANKEN COMMONWEALTH OF PENNSYLVANIA SIEMENS SWITZERLAND  
 DATEK ONLINE SYNERGY INCUBATE DINERS CLUB THE TRAVELERS INDEMINITY COMPANY EUROPEAN COMMISSION JOINT RESEARCH CENTRE HEWLETT PACKARD  
 JAPAN TOYO INFORMATION SYSTEMS HIKARI TSUSHIN WACHOVIA SECURITIES TELEWEST COMMUNICATIONS GROUP WYETH/AMERICAN UNION MINIERE  
 FRANCE TELECOM MOBILS DISTRIBUTION DLA MENZIES INVESTCORP SECURITIES ORDINA SOCIALE ZEKERHEID REGUS BRIDGEPOINT CAPITAL SONAE  
 SEAGATE TECHNOLOGIES BROADCOM CABLE & WIRELESS HTK MARLBOROUGH STIRLING FRESHFIELDS ROYAL BANK OF SCOTLAND THOMPSON FINANCIAL  
 SERVICES NIPPON TRUST INFO SYSTEMS ZIONS BANK AXA/EQUITABLE MBNA JOHN HANCOCK FINANCIAL SERVICES UBS WARBURG IPS CERTIFICATE  
 AUTHORITY SYNTEGRA PPEP BROBECK PHLEGER & HARRISON JACOBS ENGINEERING BANNER PACKAGING TOPPAN FORM IRON MOUNTAIN SKADDEN,  
 ARPS, SLATE, MEAGHER & FLOM GLAXOSMITHKLINE VERIZON SIEBEL SYSTEMS, INC. GOLDMAN SACHS MERCK BAXTER HEALTHCARE

[www.tumbleweed.com](http://www.tumbleweed.com)



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