RWS
Language Weaver

Language Weaver Edge
Machine translation that puts enterprise security first

AI-powered machine translation that gives you security and performance on your own terms – Language Weaver Edge is controlled and managed by you.

Sometimes enterprises need extra control

The world's largest corporations and governments need innovative solutions to deal with the ever-increasing volume, velocity and variety of multilingual content that they produce and receive. Emails, web copy, product documentation, marketing materials, internal communications and user-generated content – all are fuelling a growing demand for a scalable, high-performing translation solution.

Only machine translation can deliver at the scale and speed required. For those who want a cloud-based solution that offers a secure alternative to free or low-cost web-based services, Language Weaver® Cloud is ideal. But many organizations have processes requiring the highest level of security for sensitive information or greater control over translation performance. Functions as diverse as eDiscovery, customer experience, pharmacovigilance, business intelligence and counterintelligence need a workhorse solution that won't fail and can be fully within your control behind your organization's firewall.

Language Weaver Edge delivers

To ensure both performance and security on your own terms, a self-hosted solution like Language Weaver Edge is the answer. It's a powerful machine translation solution that can be deployed on-premises or in a private cloud, keeping the content it processes securely within your organization's network. It's scalable, adaptable and intuitive to use and manage, enabling you to address your greatest multilingual content and data challenges cost-effectively.

Broad language coverage and great adaptability

Language Weaver Edge offers comprehensive language coverage, with new languages added on a regular basis and more than 3,000 possible language combinations supported.

The solution's standard language pairs can be supplemented using dictionaries and termbases. Beyond this, there are even more flexible adaptive options to support your unique use of domain terminology, specialist vocabulary and brand style. You can train (and re-train) the Language Weaver models within the application itself, using a variety of content assets and user feedback.

For those looking for expertise along with technology, we provide world-class linguists and support resources, also delivering custom and expert consulting options.

Key reasons for using Language Weaver Edge

It's an enterprise-ready solution that:

- Offers the highest levels of security, data protection and control

- Fits easily into existing IT infrastructure

- Is optimized for performance and scalability

- Is fully adaptable, including auto-adaptive capabilities to continuously enhance performance
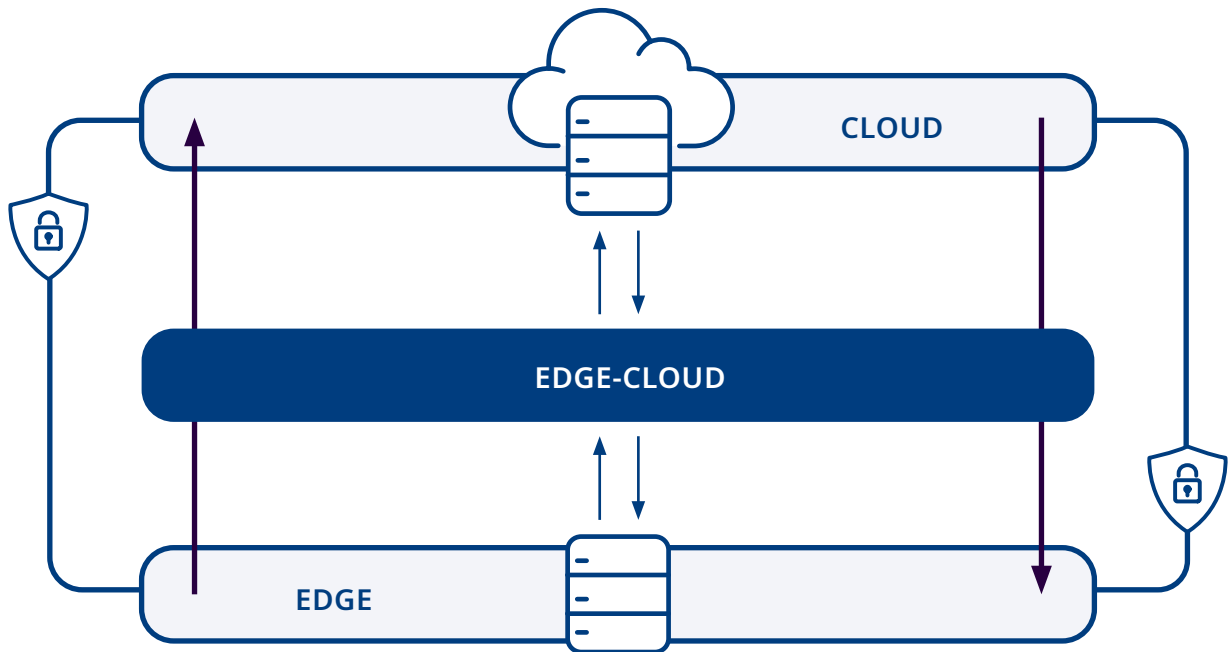
Deployment flexibility through hybrid architecture

Language Weaver Edge can be complemented by Language Weaver Cloud to form a complete solution built with a hybrid edge-cloud architecture. Both platforms, cloud and self-hosted, offer the same state-of-the-art neural machine translation capabilities and market-leading adaptability.

Language Weaver Edge lets you secure sensitive tasks behind corporate firewalls and control performance with dynamic licensing and hardware optimization. It is built for volume.

A hybrid edge-cloud deployment lets you use the same environment for all your machine translation needs, without compromising security or accessibility.

Language Weaver Cloud provides an on-demand environment that is easy to roll out for enterprise-wide use. While the cloud platform is secure by design, there may be certain regulatory requirements that make it less suitable for highly sensitive materials.

Language Weaver Edge in action

Made-in-China.com appreciates the rich experience offered by Language Weaver Edge and the many language pairs it supports. Marcel Ning, MIC Business Manager for Made-in-China.com, comments:

"[Language Weaver] has transformed the way Made-in-China.com communicates with customers. … [It's] ideal for translating our high volume of information rapidly into all our customers' languages. Their response was quick, and the whole project has achieved the desired goals."

Language Weaver Edge features for your business

State-of-the-art machine translation and linguistic AI

- More than 3,000 language combinations (see our supported languages here)

- Automatic language detection for a streamlined user experience

- Quality estimation to inform translation workflow decisions based on actionable data points

- Instant, automated summarization to aid and accelerate content analysis

Standout adaptive capabilities to tailor your AI

- Support for dictionaries and terminology lists to enforce key vocabulary such as brand names and industry- and domain-specific terms

- Direct user feedback to suggest better translations, with built-in approval workflows to improve the model and enjoy those improvements immediately

- Adaptive language pairs that leverage existing bilingual data and translation assets to create your own models

- Auto-adaptive language pairs to facilitate continuous and automated training of models from user feedback, dictionaries and translation memories
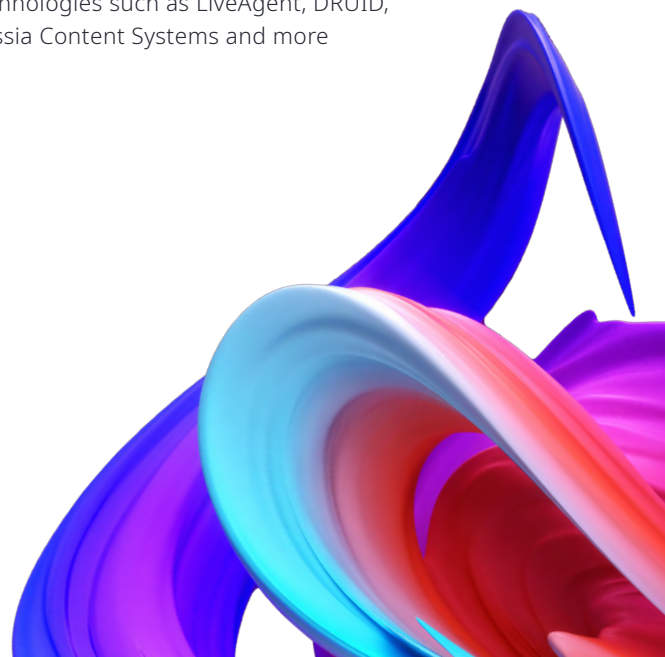
Security and control

- Deployment behind your firewall as an on-premises application or in a private cloud

- Hybrid deployment with Language Weaver Cloud

- Authentication using Active Directory or LDAP or through application-level username/password

- SAML-based single sign-on with external identity providers

- Ease of administration and maintenance via intuitive admin GUI

- Robust reporting and monitoring to track use across your organization

Scalability and lower total cost of ownership

- Efficient use of computing resources with ability to run neural models using CPU (vs GPU)

- Support for multiple installation scenarios (single or multi-server, containers) to addressa wide variety of scenarios and IT requirements

- Dynamic processing unit allocation to scale speed with demand

- Control of computational resources with dynamic licensing and three modes of hardware-based optimization

- Support for deployment to Kubernetes to enable real-time, load-based auto-scaling and failover management for high availability

Ease of use and integration

- Intuitive, browser-based UI for direct use

- Integration with supported applications such as Trados or MS Office, or a translation management system (TMS) workflow

- Workflow automation using the REST API, .NET and Embedded C++ APIs for integration

- Integration with automatic speech recognition (ASR) solutions for audio translation

- Support for a wide variety of file formats: Microsoft Office, PDF, .txt, common image formats, HTML, XML and more

- Part of a growing ecosystem of partner technologies such as LiveAgent, DRUID, Cassia Content Systems and more

Digital intelligence company Cellebrite

Cellebrite's customers are governments and businesses working with highly sensitive data to prevent criminal activity. Language Weaver provides Cellebrite's Smart Translator product with the depth of languages, flexible fit, deployment, easy integration and proven security to understand the words that criminals leave behind.

Why Language Weaver Edge

Language Weaver Edge brings secure-by-design machine translation to the modern global enterprise and fits within any IT environment. It is:

- State-of-the-art neural machine translation technology developed by expert linguists, professional translators and research scientists

- A mature and reliable solution requiring little administrative overhead to maintain high service levels

- Built on a highly scalable architecture that allows for multi-server deployment options on commodity hardware

- Exceptionally adaptable, with breakthrough capabilities including the ability to leverage direct user feedback, automated approval workflows and translation memories to continuously enhance the AI model and translation performance

- Complemented by Language Weaver Cloud for a hybrid solution, enabling you to globalize functions as diverse as internal communication, eDiscovery, analytics and customer experience

Secure your AI advantage with Language Weaver Edge

languageweaver.com

About RWS

RWS Holdings plc is a unique, world-leading provider of technology-enabled language, content and intellectual property services. Through content transformation and multilingual data analysis, our combination of AI-enabled technology and human expertise helps our clients to grow by ensuring they are understood anywhere, in any language.

Our purpose is unlocking global understanding. By combining cultural understanding, client understanding and technical understanding, our services and technology assist our clients to acquire and retain customers, deliver engaging user experiences, maintain compliance and gain actionable insights into their data and content.

Over the past 20 years we've been evolving our own AI solutions as well as helping clients to explore, build and use multilingual AI applications. With 40+ AI-related patents and more than 100 peer-reviewed papers, we have the experience and expertise to support clients on their AI journey.

We work with over 80% of the world's top 100 brands, more than three-quarters of Fortune's 20 'Most Admired Companies' and almost all of the top pharmaceutical companies, investment banks, law firms and patent filers. Our client base spans Europe, Asia Pacific and North and South America. Our 65+ global locations across five continents service clients in the automotive, chemical, financial, legal, medical, pharmaceutical, technology and telecommunications sectors.

Founded in 1958, RWS is headquartered in the UK and publicly listed on AIM, the London Stock Exchange regulated market (RWS.L).

For further information, please visit: **www.rws.com**