About Us

Automation Dynamics, a leading global consulting and IT services provider, announces the launch of RASPRO, a concept of Workspace-as-a-Service (WaaS), which leverages technology from Citrix Systems, Microsoft and Liquidware Labs. Automation Dynamics's RASPro is a hosted managed new world workspace solution that offers a unique opportunity for customers to embark on the virtual desktop computing journey. It allows the flexibility of dedicated, pooled or shared virtual desktops or applications that can be accessed any time, from anywhere, using any Windows PC.

Automation Dynamics is a leading global business and information technology services company that leverages deep industry and functional expertise, leading technology practices, and an advanced, global delivery model to help clients transform their highest-value business processes and improve their business performance. The company's professionals excel in enterprise solutions, supply chain management, client relationship management, business intelligence, business process quality, engineering and product lifecycle management, and infrastructure services, among other key capabilities.

Automation Dynamics has a core team of solution architects who are well experienced in taking the customer from Proof-of-Concept (POC) to production, followed by a managed-services journey. Automation Dynamics has developed a delivery methodology to make the transition from traditional desktop environments easier by using pre-defined success criteria, tools, processes and engagement models. To further facilitate the process, Automation Dynamics has developed the concept of Demo-in-a-Box' to enable customers to experience workspace virtualization. This will further reduce the time to install, configure and implement a demo environment as now it will come as a pre-configured hardware setup that can be plugged into a customer environment.

Automation Dynamics, UK | www.automationdynamics.co.uk
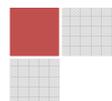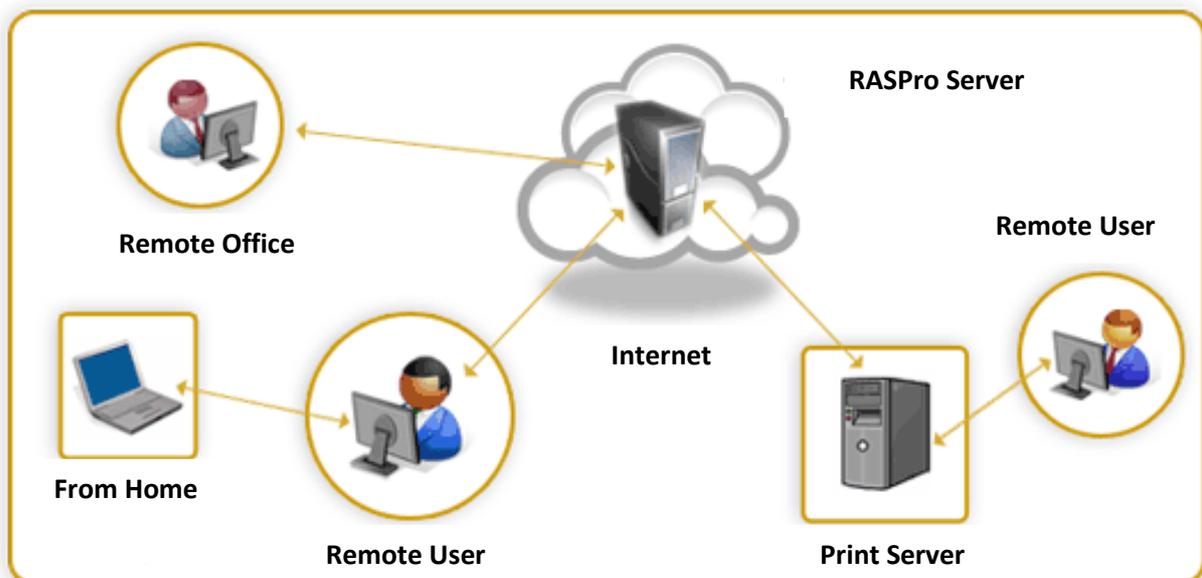
About RASPro

RASPro is an on-demand application delivery solution that comprises application virtualization and session virtualization technologies. It enables any Windows application to be virtualized, centralized, and managed in the datacenter and instantly delivered as a service to users anywhere on any device. An integrated hardened SSL VPN with advanced, policy-based access control lets you give users encrypted access to virtual applications and valuable intellectual property from anywhere while eliminating the risk of data theft or loss. A single server can support more than 100,000 users, scaled beyond 1,000 servers in a single implementation, and ensure 99.999 percent application availability.


RASPro allows a user to access applications and data on a remote server over Internet, using Remote Desktop Protocol. Only the user interface of an application is made accessible and any input from client system is redirected to the server, where all application execution takes place. This is also called as application virtualization, while the data and application are published on a centralized server, and streamed to the client on-demand and then executed on the client machine.

Permitted users with limited or full access can use the application GUI as if it were accessed locally using the resources of local computer like printer, COM ports, speakers, keyboard, mouse and disk drives. The UI for the RemoteApp is rendered in a window over the local desktop, and is managed like any other window for local applications. The end result of this is that remote applications behave largely like local applications. The user can access and manage his data share on the remote server using virtual private network technology.

RASPro provides innovative user profiling and assessment methodology for analyzing the various roles within an organization and their suitability to adopt workspace virtualization. This methodology provides an end-to-end solution to a customer, starting with user segmentation, defining various workspace usage roles, identification of best-fit users, creation of high level design and definition of a business case.

RASPro provides services such as on-demand application delivery, automated workflow-based provisioning, usage-based metering and charge back, along with the freedom to choose your own workspace from a service catalog. The entire service enables freedom from desktop management overhead while ensuring the boundaries of data security. The solution is made possible by industry leading technologies such as Citrix XenDesktop®, Windows Server Hyper-V, application-level virtualization enabled by Microsoft Application Virtualization (App-V), and management provided by Microsoft System Center.
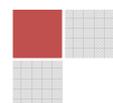
The Technology

RASPro application virtualization technology isolates applications from the underlying operating system and from other applications to increase compatibility and manageability. As a modern application delivery solution, RASPro virtualizes applications via integrated application streaming and isolation technology. This application virtualization technology enables applications to be streamed from a centralized location into an isolation environment on the target device where they will execute. With RASPro, applications are not installed in the traditional sense. The application files, configuration, and settings are copied to the target device and the application execution at run time is controlled by the application virtualization layer. When executed, the application run time believes that it is interfacing directly with the operating system when, in fact, it is interfacing with a virtualization environment that proxies all requests to the operating system.
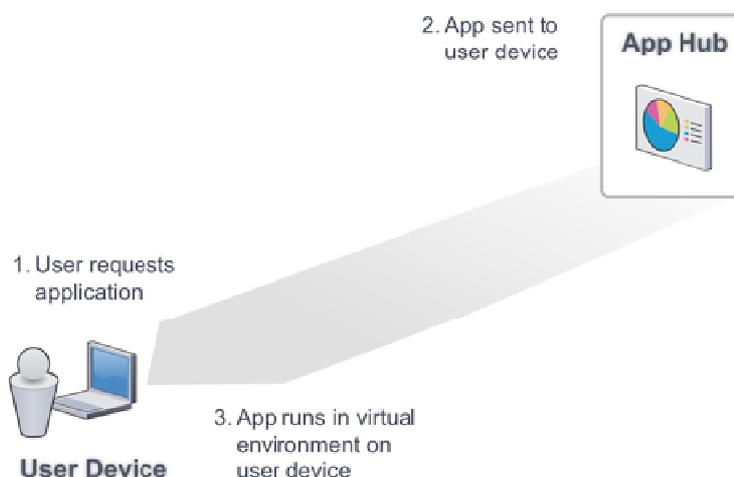
RASPro is unique in that it is a complete system for application delivery, offering both online and offline application access through a combination of application hosting and application streaming directly to user devices. When users request an application, RASPro determines if their device is compatible and capable of running the application in question. The minimum requirements of a target device are a compatible Windows® operating system and appropriate RDP client software. If the user device meets minimum requirements, then RASPro initiates application virtualization via application streaming directly into an isolated environment on the user's device. In the event that the user device is not capable of running a particular application, RASPro initiates session virtualization.

Automation Dynamics's RASPro solution also lays the foundation for an IT Platform Cloud using Microsoft virtualization, orchestration and automation capabilities that can be leveraged for future multi-model cloud solutions to be deployed by enterprises. RASPro is the proven and industry-leading desktop virtualization technology. Combined with an experienced delivery methodology including user assessment and user experience management tools, this solution meets enterprise needs for next-generation, cost-effective desktop virtualization. Automation Dynamics is giving customers proven technology for deploying and managing virtualized desktops and applications. Automation Dynamics's Workspace as a Service is aimed at helping customers move forward quickly and effectively in their deployment of desktop virtualization. It works perfectly as part of Automation Dynamics's comprehensive methodology, allowing customers to cost-effectively plan, migrate, and manage their next-generation desktop infrastructure.
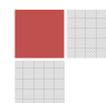
Unique Features

- Providing instant, easy, and secure access to remote applications.
- Meeting user demand for a consistent experience as they access information.
- Reducing the complexity of delivering and maintaining virtual applications.
- Ensuring application compatibility across any operating system.
- Supporting a wide range of endpoint device types.
- Increasing data security and controlling access to information.
- Enabling business mobility.

Data Security

The solution helps you to keep your personal data secure from prying eyes as it leaves your computer and travels on the internet and to make sure your encrypted internet connection cannot be breached by anyone including your ISP, your network peers or even hackers, we deploy a sophisticated encryption engine and adopt the strongest level of encryption available today, utilizing the largest bit size currently used for data encryption worldwide.

We symmetrically encrypt and decrypt all your outgoing and incoming internet traffic before it's transmitted over the internet. This symmetric encryption - the Advanced Encryption Standard (AES) algorithm - uses a very fast block level algorithm to encrypt and decrypt your data. We utilize AES ciphers (unique session keys) with the largest key size available today. Both the encrypted data and the encrypted session key are encapsulated and sent over the internet.

The connection interface creates a virtual encrypted "tunnel" which penetrates through the public internet to connect your computer and one of our secure remote application servers. This allows us to transmit a wide range of your data over the public internet safely and securely, regardless of applications or protocols.

Both sides of the encrypted VPN tunnel use the same one-time unique key for each session to encrypt and decrypt all your traffic in both directions. In essence, to access and use our remotely published applications, all you need is an active internet connection, and a valid individual user access account.
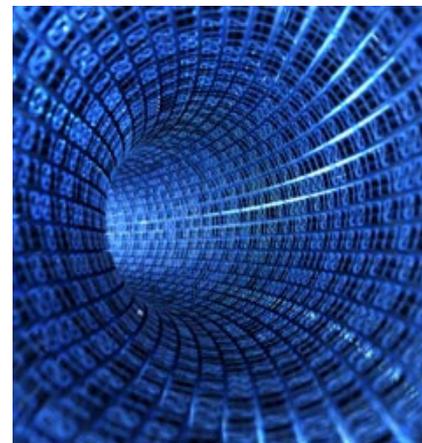
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