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#### vxAG CASE STUDY

## VPLS Inc./Krypt

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**vxAG virtual secure access gateways provide scalable, flexible and customizable access for VPLS Inc.'s Krypt division, allowing end-user hosting customers to easily manage and adapt their virtual environments as needed and on-the-fly.**

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### Background

Founded in 1998, VPLS Inc. provides a wide range of Infrastructure-as-a-Service (IaaS) offerings through distributors to end-customers worldwide. The company hosts more than five million Web sites for companies ranging from gaming and retail to enterprises large and small. Krypt, the dedicated server and hosting division, began by offering gaming servers on the West Coast and has grown to become a full-service dedicated, Web, colocation, virtual and cloud service provider.

Krypt services are delivered through VPLS data centers in Los Angeles and Santa Ana, California, as well as Ashburn, Virginia; Singapore; and Bangkok, Thailand. The company places a high

### Industry

Infrastructure-as-a-Service

### Challenges

Provide a premium secure access user experience to access and manage servers and accounts regardless of location

Integrate with the My.Krypt customer portal platform to provide access to a custom dashboard and console

Seamlessly scale and grow to meet current and future needs

### Solution

Array Networks vxAG virtual secure access gateway with XML/RPC APIs for easy integration and deployment

### Benefits

End-customers can easily and securely access their individual portals and consoles to manage their accounts and servers

Virtual resources can be deployed when and where needed to provide the fastest possible response times

The vxAG can scale and grow on-the-fly, and additional resources can be assigned as needed to accommodate increased demand

priority on end-user experience, and sought to provide a seamless secure remote access solution that would provide a premium user experience through out-of-band access to servers and accounts regardless of the servers' physical locations.

## Challenges

Krypt/VPLS had an existing, older-generation SSL VPN hardware appliance in place to allow end-customers to access and manage their accounts and servers, however it lacked the flexibility and customizability that the company required. In addition, as a hardware-based solution, it was unable to address multiple data centers in far-flung locations, and integration to Krypt's customer portal platform, My.Krypt, was difficult and not seamless. The IaaS provider began evaluating several other alternatives:

- The newer version of the existing SSL VPN dedicated appliance still lacked the flexibility and customizability that Krypt needed, and was also hampered by the same location-based limitations as the older-generation version.
- An open-source solution similarly lacked the feature-richness and capabilities that were required.
- Another open-source solution offered the needed capabilities, but only if an expensive commercial license was purchased.

Finally, the Krypt team downloaded a demo version of Array Networks' vxAG virtual secure access gateway for testing in their lab environment.

## Solution and Results

The Krypt team evaluated the vxAG virtual SSL VPN solution across their full list of requirements. Of crucial importance to VPLS was the vxAG's XML/RPC application programmer's interface

(API), which allowed smooth integration with the My.Krypt dashboard and console. The vxAG's extensible APIs allow network managers to integrate the virtual secure access gateway with flexibility and customizability they had not found in any other product they evaluated.

"For us, it's all about the user experience. Using the vxAG secure access gateway, our end-customers have secure, out-of-band access to their personal portal, and can manage and control a wide variety of features and functionality for their dedicated or virtual server environments – they can even hit just one button to format the server, then watch real-time as that task is completed," said Tim Mektrakarn, Chief Operating Officer of VPLS Inc.

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**Tim Mektrakarn**  
Chief Operating Officer, VPLS, Inc.

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The easy portability of the virtual appliance model allowed them to test in the demo environment and seamlessly transition it to the production ecosystem. Noted Mektrakarn, "it was nice that the licenses were not tied to the resources, so as demand increases, you can assign additional resources easily. We can also scale and grow on the fly."

## Benefits

The vxAG virtual secure access gateway runs on virtualized servers and industry-standard hypervisors to flexibly enable on-demand, full-featured secure access whenever and wherever it is needed. The virtual appliance features non-disruptive upgrades, and supports up to 10,000 concurrent users and up to 500 Mbps throughput with high-performance 2048-bit SSL encryption. Up to 256 secure access portals are customizable to the security and usability preferences of multiple tenants and communities of interest. Each virtual portal is fully independent, with separate management, access policies, access methods and resources.

Extensible APIs allow network managers to tightly integrate secure access intelligence with threat and risk management platforms, virtual management platforms, and custom solutions for reporting, billing, SLAs and industry-specific requirements. From providing real-time usage intelligence to seamlessly interacting with third-party secure access and application delivery technologies, to integrating with cloud management systems, the power of the AG Series APIs is unprecedented.

In addition to the vxAG, Array's product lines include the dedicated AG Series secure access gateways, which include hardware appliances supporting up to 3 Gbps throughput, 130,000 concurrent users and 500,000 user profiles for maintaining security and driving productivity at scale.

## Summary

In summary, Array's vxAG virtual appliance provides the flexibility and customizability that Krypt/VPLS required in order to provide a top-notch user experience to their end-customers across the globe. The vxAG's extensible APIs have proved invaluable to VPLS in integrating the secure access gateway with the My.Krypt cloud management platform, and in allowing anytime, anywhere access for their large and growing end-customer base.

In addition, the highly portable vxAG virtual appliance allowed VPLS to seamlessly move the secure access resources from the demo environment to the production ecosystem, and allows VPLS to grow and scale secure access on-the-fly to serve end-customers whenever and wherever needed.

