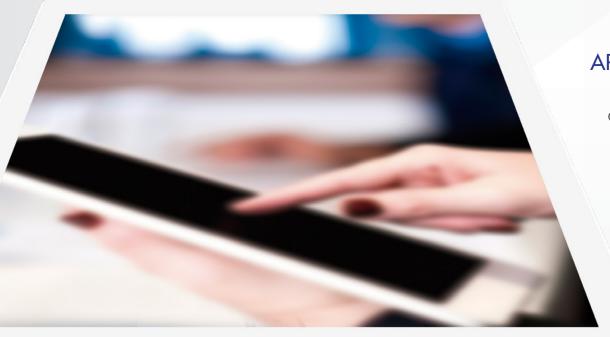
SECURING THE COMPOSITE CLOUD APPLICATION

AGILEPINT

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DELIVERING SECURE SELF-SERVICE APPLICATIONS IN THE CLOUD JUST GOT A WHOLE LOT EASIER!

Cloud computing has been touted as a magic wand—an elastic IT infrastructure delivered to the organization on-demand. In a very real sense, quite apart from the reduction in capital expenditure, cloud applications also provide the infrastructure to extend the value chain of the enterprise, directly supporting customers and partners, enabling them to take an active role in the processes of your organization. The digital experience presented promises to transform the enterprise.



A CAPTIVATING VISION OF CORPORATE AGILITY

It's a compelling promise—a captivating vision of corporate agility—seamlessly integrated applications, a unified data model, customers self-serving and suppliers delivering against customer experience expectations and tight SLAs. But there are significant challenges to overcome:





"TO DELIVER COMPREHENSIVE SUPPORT FOR THE BROADER VALUE CHAIN, THE ORGANIZATION HAS TO INTEGRATE THESE APPLICATIONS TOGETHER."

✓ NO SINGLE CLOUD APPLICATION PROVIDER CAN DELIVER ALL THE FEATURES YOU NEED.

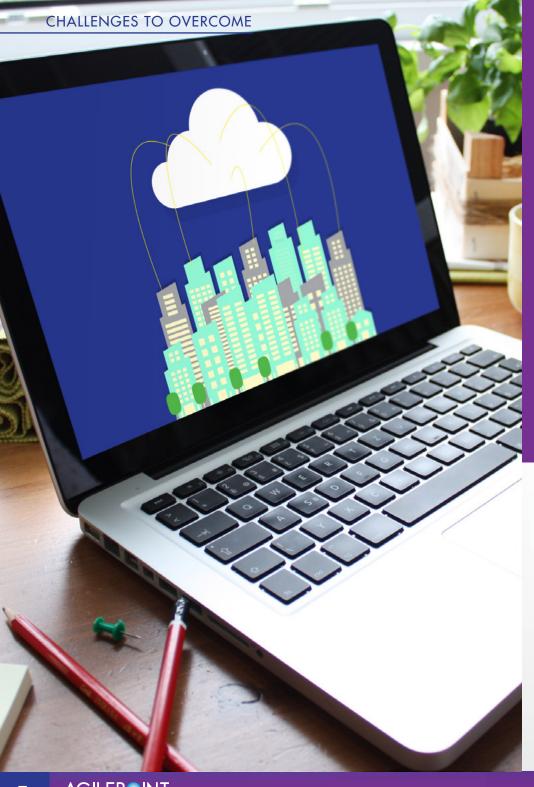
The typical enterprise needs a blend of cloud applications—whether Office 365, Salesforce or SAP—no single provider can deliver all the functionality needed. You end up transferring your silos to the cloud, none of which talk to each other. To deliver comprehensive support for the broader value chain, the organization has to integrate these applications together.

"THE TOOLS PROVIDED BY EACH CLOUD PROVIDER AREN'T CONSISTENT WITH EACH OTHER, LET ALONE THOSE YOU USE INTERNALLY."

AS YOUR NEEDS INEVITABLY EVOLVE, YOU'RE FACED WITH ADDITIONAL SOFTWARE DEVELOPMENT.

The tools provided by each cloud provider aren't consistent with each other, let alone those you use internally. So delivering anything more than out-of-the-box, vanilla experience requires extra resources with specialist skills. Rather than the highly responsive applications you promised users, the IT development backlog just got longer and more complex.





"THESE APPLICATIONS
AND DATA SETS ARE SECURED
BEHIND THE CORPORATE
FIREWALL."

✔ PROCESSES USUALLY NEED TO DRAW ON, AND ADD TO, EXISTING DATA AND APPLICATIONS.

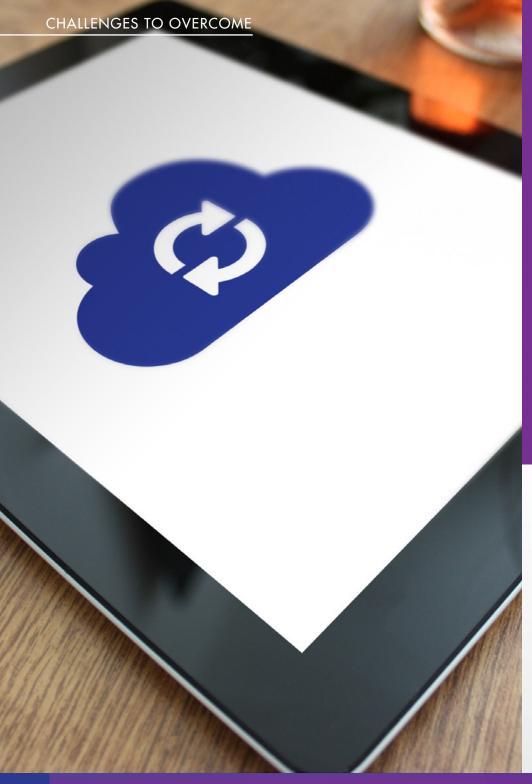
These applications and data sets are secured behind the corporate firewall. Yet maintaining and synchronizing two distinct data sets is just not practicable. When customers see different data from that visible to your employees all sorts of problems ensue. Opening up the firewall is just not practicable for most major organizations.

"WHEN WE DEVELOP
POINT-TO-POINT APPLICATIONS
IT'S DIFFICULT TO GUARD
AGAINST POTENTIAL
SECURITY THREAT."

✓ TRADITIONAL APPLICATION DEVELOPMENT METHODS MAKE IT DIFFICULT TO SPOT SECURITY LOOPHOLES.

When we develop point-to-point applications it's difficult to guard against potential security threats since the developer never thought of the vulnerability and therefore doesn't test for it. And using the internet as a communication backbone creates an ever more dispersed user base including customers and partners.





"CLOUD-APPLICATION RELEASE CYCLES FURTHER COMPLICATE THE PICTURE"

✓ CLOUD-APPLICATION RELEASE CYCLES FURTHER COMPLICATE THE PICTURE.

So exactly how are you expected to deliver consistent experiences to your users—internal and external —when the foundations of those applications are based on the shifting sands of vendor roadmaps? And what happens when you want to move a part of your application portfolio to a new vendor; whether that vendor is a provider of elastic compute resource or an application provider? It's a challenging picture at best.

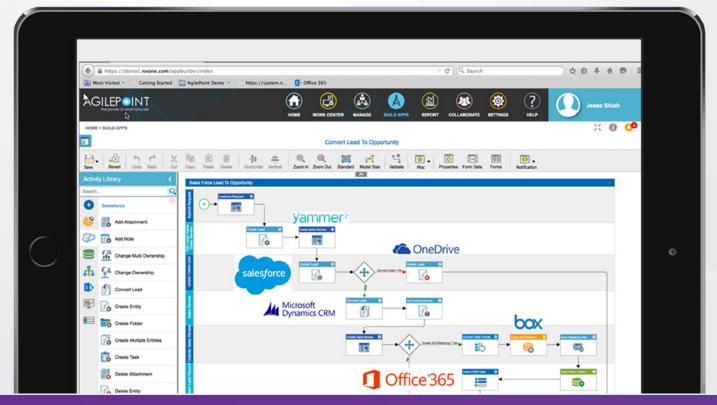
WHAT'S NEEDED—

A RESPONSIVE APPLICATION PLATFORM

What's needed is a "Responsive Application Platform" that works just as well in the cloud as behind the firewall, indeed, a platform that spans the firewall with secure connections, leveraging cloud-delivered applications and merging them with those inside the organization. **AgilePoint NX** provides just that.

It's a different design pattern for applications. Rather than one amorphous and monolithic application that mixes access between the different

stakeholder groups, the customer/partner engagement processes are ring-fenced in the cloud, yet dovetailed with those that access the in-house systems. The external systems-of-engagement live in the cloud, while the layer accessing the system-of-record lives behind the firewall. Even the decision of whether your in-house users connect to an internal server or access the external portal becomes a design decision.



RESPONSIVE APPLICATION DESIGN CHARACTERISTICS

THE AGILEP INT NX PLATFORM WAS DESIGNED...





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in-house delivery, and/or engagement of customers and suppliers.

TO LEVERAGE THE AGILEPOINT NX SECURE LINK TECHNOLOGY.

This provides a closed connection between the cloud and the corporate infrastructure. That means the processes in the cloud communicate with the processes inside the firewall using secure VPN tunneling. As a result, your processes share the same context and data sets, seamlessly and securely synchronizing customers, partners and employees.



2



WITH THE ORCHESTRATION OF CLOUD APPLICATION SERVICES IN MIND.

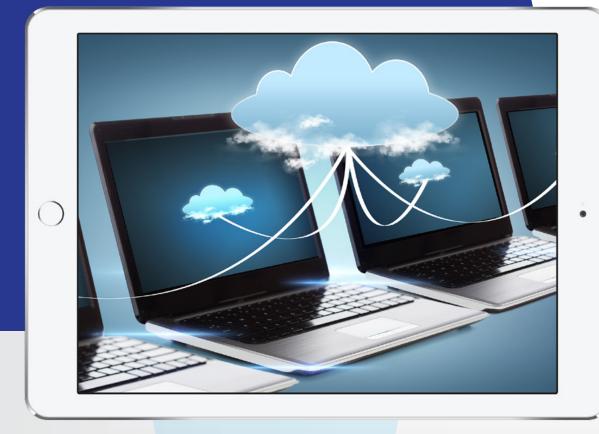
AgilePoint NX servers communicate equally well with cloud applications and your in house applications. Configuration is carried out with an easy to use point-and-click interface that provides a seamless experience both inside and outside the firewall.



TO INSULATE THE USER EXPERIENCE FROM THE UNDERLYING APPLICATION.

With no code required, the applications you deliver need know nothing about the system-of-record used to maintain financial data or the state of an opportunity record. It also means that should you decide to upgrade or swap out a background application, the only redevelopment required is a refactoring of the interface to that system-of-record; your system-of-engagement remains intact.

4



SUMMING UP...

Ultimately, following the more traditional monolithic architectural approach only exacerbates the security issue.

Adopting the distributed design pattern employed by
AgilePoint NX provides an abstraction layer that makes it not only a lot easier to implement, it delivers highly functional, secure end-to-end, hybrid applications.

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