DRIVING DIGITAL TRANSFORMATION WITH APPLICATION INTELLIGENCE
Digital Transformation Is a Constant.
App Management Challenges Are Not.

Digital Transformation (DX) goes beyond technology – it includes people and processes working together to create business outcomes. Gone are the days where the network or infrastructure was a cost center. Today network operations teams are influential in the success of the business.

Critical to DX are new digital applications, built and deployed on a modern architecture. While powerful and agile, these new applications can be incredibly complex, which makes them difficult to understand, monitor, secure — in a word, manage.
The three-tiered applications – client, server and storage – that held sway for years are rapidly being replaced with an n-tier model that deploys apps in a highly distributed manner.

These apps run across hybrid and multi-cloud infrastructures and are delivered through web and mobile interfaces, simultaneously.

Adoption of microservices introduces additional architectural complexities that can pose significant challenges.

As a result, today’s analytics tools aren’t getting the information they need to effectively manage digital applications.
The Monitoring Challenge

The more complex the application infrastructure, the harder it is to ensure that applications are functioning optimally. It becomes increasingly difficult to know what servers are running which applications and what data each application is sending.

Discovering where bottlenecks are occurring, if suspicious data is flowing out and how the quality of experience is for the end user is a lot more challenging.
A seamless flow of data is essential for an organization’s DX journey. Pervasive data visibility across all networks, tiers, services and applications is necessary, but not sufficient. Instead, you also need the ability to provide intelligence about applications across complex structures.

1. The first step in application-aware network visibility is to identify each application through deep packet inspection.

2. Then, once classified, you can isolate the traffic flow for precise analysis.

3. Then, in the final step, you can apply flow logic to intelligently send the right traffic to precisely the right tool.
Why Application Intelligence?

Maintain High Network and Application Performance with Application Filtering

As network traffic grows and speeds increase, the ability to isolate and split application-specific traffic prevents irrelevant apps from inundating tools. Tool capacity is optimized while network and application performance increases.

Isolate Traffic for Targeted Analysis and Troubleshooting

Application intelligence makes it possible to pinpoint and resolve network and application performance issues. NetOps teams can easily meet business needs for delivering the right application traffic to security, legal/compliance and other stakeholders.

Avoid DIY Application Visibility

Automatic application identification eliminates tedious regex scripting or hardwiring applications to ports.
Application Intelligence Smoothes Your DX Path

Application Intelligence Enables:

- Granular insight of applications
- Filtering of unnecessary traffic
- Scaling of security tools
- Delivery of relevant data to technical, compliance and IT audit teams

Accelerate your digital transformation journey with a new level of application visualization to improve the effectiveness of your network, make tools more efficient and reduce effort and costs.

To see a demo and learn what Application Filtering Intelligence can do for you, check out www.gigamon.com/app-aware.