

"Fox Smart was created to change how Cisco routers are managed - to increase the power and flexibility of configuration management - to give control of the network back to the IT department."

— Andrew Pach,
President and CEO
Fox Smart, Inc.

- 100% pure Java Class Library.
- The industry's only true Cisco router Java programmable interface.
- Router Java class hierarchy mirrors the IOS configuration hierarchy for easy learning.
- Multiple platform support.
- Toolkit interfaces with the router directly at the IOS level - the same way a network engineer configures a router.
- An intelligent and efficient update engine sends only the required IOS commands needed to perform the desired changes.
- Configuration errors are caught immediately on the offending line.
- Configuration rollback supported.
- Toolkit is easily extendible for additional component support.

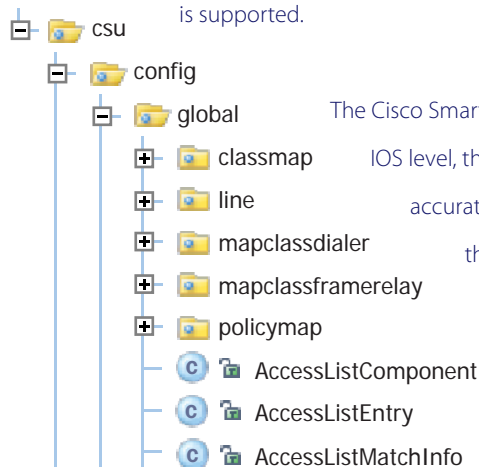
Companies managing Cisco router configurations face the ever growing challenge of making those changes faster and more reliably. End users demand router based services in minutes, not hours or days. Traditional manual approaches to router configuration management no longer meet the requirements of your customers. Today's IT departments require robust automated configuration solutions that are quick and flexible, yet reliable.

Network Configuration Management Challenge

Making configuration changes in a corporate network can be challenging and costly. Network device manufacturers typically focus on the quality of their hardware products and far less on their network management offerings. So when manufacturers offer network configuration management solutions, they are typically limited in flexibility and force you to configure their products the way they see fit rather than the way you desire. Cisco produces high quality routers with a myriad of features. However, even with all their network management products, they don't provide an easy way to interface directly to a router to read its configuration in an interpretable form or perform configuration updates solely with the changes you desire. In addition, large Network Change and Configuration Management corporations that provide complete end-to-end solutions are costly and force you to manage your network changes using that vendor's generic system-wide approach.

Network Configuration Management Solution

At Fox Smart, our goal is to provide companies with the ability to perform network configuration management the way they see fit and to gain control over managing change in their network. To help meet that need, we are proud to offer our Cisco Smart Update product - the industry's first 100% pure Java toolkit that lets you programmatically read and update Cisco router configurations using an intuitive class hierarchy that mirrors the router's IOS configuration. This unprecedented approach puts the power of Cisco router configuration management back in your hands, whether you are adding a new IP security filter or modifying a VPN Class of Service. And given that it's written in Java, you can run it on any platform where the Java Runtime Environment is supported.

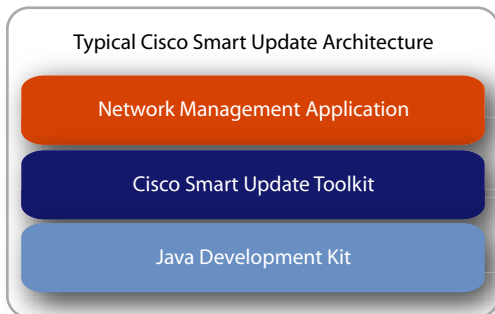


The Cisco Smart Update toolkit communicates with the router directly at the IOS level, the same way that network engineers do, to ensure timely and accurate configuration updates. Our powerful update engine analyzes the original and modified configurations and only sends the required IOS commands back to the router that are needed to make the desired configuration changes. If a command fails, it is caught immediately on the offending line and the updates can optionally be rolled back.

“WHILE NETWORK DEVICE VENDORS LOSE THEMSELVES IN PROPRIETARY SOLUTIONS, EMERGING FIRMS ARE MEETING AND PUSHING THE BOUNDARIES OF THE DEMAND FOR INCREASINGLY AUTOMATED CONFIGURATION MANAGEMENT SOLUTIONS.”
 — PTAK, NOEL & ASSOCIATES

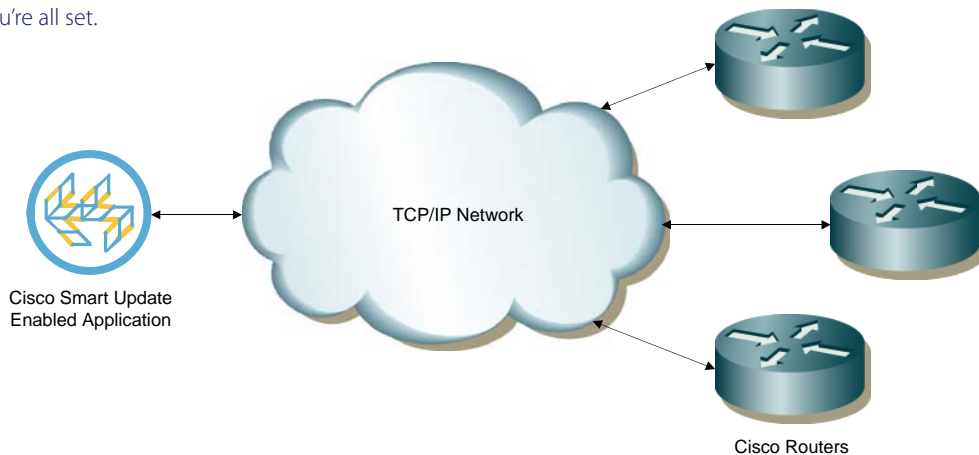
Simple and Flexible Architecture

Managing a Cisco router and knowing the intricacies of the IOS command language is difficult enough as it is. We know that the last thing you need is a complicated toolkit to add onto an already complex network management challenge. That is why we have kept the Cisco Smart Update architecture and component hierarchy simple.



All you have to do is write your Java based network management application using the easy-to-use and well documented Cisco Smart Update Toolkit. A typical application will create a “CiscoRouter” class while providing the hostname and security credentials, login to the router, get the running configuration, make any required configuration updates to the class hierarchy, write the configuration back to the router, and logout. All the details about how to communicate with the router, how to read the router configuration, and how to send the appropriate IOS commands back to the router to make the required updates are handled by the toolkit. Making complex router configuration changes couldn’t be easier!

And deploying Cisco Smart Update into your network management environment is just as easy. Just install your network management application along with the Cisco Smart Update JAR file on any of the multitude of platforms that support Java, ensure you have TCP/IP connectivity to the target routers, and you’re all set.



A Solution You Can Count On

You need to feel confident that making configuration changes to your routers has to be correct, each and every time. That is why we have written test drivers for all our classes and API’s. This attention to details helps us ensure we are not only delivering a simple and robust solution for automating your Cisco Router configuration changes, but that we are delivering the highest quality product possible. We are looking forward to having the opportunity to work with you so you can see for yourself how Cisco Smart Update can provide a one of a kind solution for you - a solution you can count on!