



Fox DataDiode

secure one-way communication

Secure Lawful Interception

Service Providers intercept internet communications using wiretaps and hand this data over to Law Enforcement Agencies (LEA). ETSI has played a leading role in the standardisation of lawful interception since 1991. The ETSI LI standards specify for instance the Interception and Handover interface between the Service Providers and the LEA. A big challenge with these frameworks is to provide network confidentiality while intercepted information is transported from the service provider into the LEA isolated/ classified network. An even bigger challenge is the interpretation and reconstruction of the intercepted data and transform it into valuable (intelligence) information. Fox-IT has some of the answers for you: Fox DataDiode and FoxReplay Analyst.

Secure One-Way Connection

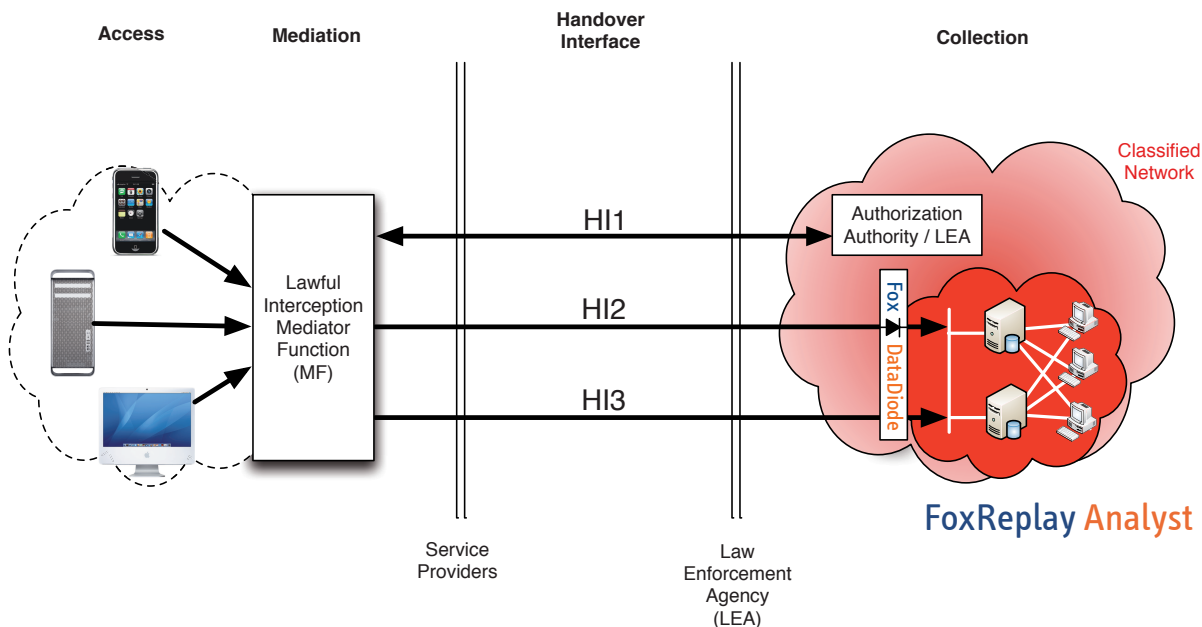
The goal of Law Enforcement Agencies (LEA) is to focus on the analysis of intercepted data and not to worry that analyzed information will leak back to public networks. Traditionally, data leakage from classified networks is prevented using Firewalls or Air Gaps. Although both solutions are well established they are deficient in security since firewalls are based on software/rules and therefore can always be compromised. Air Gaps require human intervention which makes them never real-time and create additional human-related security risks.

Fox DataDiode

The Fox DataDiode has been developed for use by governmental organizations, especially those that have to assure the highest level of data security. The Fox Data Diode is used in environments that require state secret security solutions. Organizations that want to perform one-way transfers between two physically separated networks can make excellent use of the Fox DataDiode.

Benefits

- FoxReplay Analyst
 - Real-time & Streaming
 - Perfect reconstruction
 - Swift support for changed internet protocols / applications
 - Support for custom internet protocols / applications
 - As easy as using the internet
 - See exactly what the target saw
 - Simultaneous 'side-by-side' communications
- Fox DataDiode
 - The Hardware Data Diode is a Common Criteria EAL 4+, EAL 7+ (pending), NL-NCSA (Secret), BSI (Secret) and NATO (NS) evaluated high-assurance device.



FoxReplay Analyst

FoxReplay Analyst interprets intercepted internet data and reconstructs all communications. They can be viewed as easily as the internet itself. Communications are played back in the original order and appearance, guaranteeing your ability to "see what your target saw" - and more.

The Fox DataDiode, a 100% secure solution, transfers data -online, in real-time and continuously- between two networks of varying security levels without compromising the security of the receiving network.

FoxReplay Analyst enables organizations to operate in "one on one" mode to truly follow a target's activities for one hundred percent - relevant in a world where interception is no longer a secret.

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