











environment variables, configuration files, or a similar approach. Alternatively, if confidentially is not required a domain name can be used since it allows to change the destination quickly without having to rebuild the software.

```
var ip = "192.168.12.42";
var address = IPAddress.Parse(ip);
```

var ip = ConfigurationManager.AppSettings["myapplication.ip" var address = IPAddress.Parse(ip);

Exceptions

Using command line arguments is security-sensitive

Security Hotspot

Using Sockets is security-sensitive

Security Hotspot

Encrypting data is security-sensitive

Security Hotspot

Using regular expressions is securitysensitive

Security Hotspot

Interface methods should be callable

No issue is reported for the following cases because they are not considered sensitive:

- Loopback addresses 127.0.0.0/8 in CIDR notation (from 127.0.0.0 to 127.255.255.255)
- Broadcast address 255.255.255.255
- Non routable address 0.0.0.0
- Strings of the form 2.5.<number>.<number> as they often match Object Identifiers (OID).

See

- OWASP Top 10 2021 Category A1 Broken Access Control
- OWASP Top 10 2017 Category A3 Sensitive Data Exposure

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