

How to Load JAVA Applet Quickly.

This technical guide you how to quickly load Java Applet in your viewing PC. It is recommended to apply this document, if you connect Java Applet mode from stationary PC

◆ **Why the Web Page including the JAVA Applet is loaded so slowly?.**

1. Binary Download

- JAVA Applet is platform independent execution binary code
- It is downloaded from the Web server to client to be executed.
- If these binaries file (class file and some related files) size is large or number of file is large
It take so much time to download.

2. Security Check

- Before download JAVA Applet, JAVA VM check whether the Server is trustful or not.
- This Algorithm is basically based on the DNS (Domain Name System).
- If you are accessing Camera Server with the numeric IP address instead of Name,
Loading time is increased.

3. Others...

◆ **Tips for Fast Loading Web Page including the JAVA Applet to avoid DNS problem.**

1. Use Netscape Navigator with latest version, Instead of MS Internet Explorer

- Navigator can access the server quickly, though IP address is used to access server or server resources.

2. Register Camera Server on the DNS Server

- Register Camera Server on the your DNS Server officially.
- Access the Camera Server not with IP address but with name.
- Link with Name when some resources of camera server is linked with other web page

3. Modify your local DNS Configuration File (hosts, or hosts.sam)

- If you access the some Camera Server site frequently, change your local hosts file.
- If you add IP address to local DNS configuration file, That configuration is referred by your system firstly when you access any server, so it results to very fast loading.
- Configuration file is simple text file, just use any editor , and add string like as below

File Location :

Windows NT : windows directory\system32\drivers\etc\hosts
Windows-9X : windows directory\system32\drivers\etc\hosts.sam
UNIX : /etc/hosts

Name and IP address String example

```
111.111.111.111    CAM1.flexwatch.com           #My favorite Camera Server Site 1, real name server
192.168.0.100     CAM2.notexistdomainname.com #though domain name is not real, That's O.K.
123.123.123.123   123.123.123.123            # using IP address only, second is treated as a name.
```

Access or Link method.

```
http://CAM1.flexwatch.com
http://123.123.123.123/app/p1.html
<a href="http://CAM2.notexistdomainname.com/app/p2.html">my favorite image </a> <br>
```

4. Decrease Security Level of Web Browser.

- Not a proper solution, Use only in the very special case, your system can be exposed to hacking