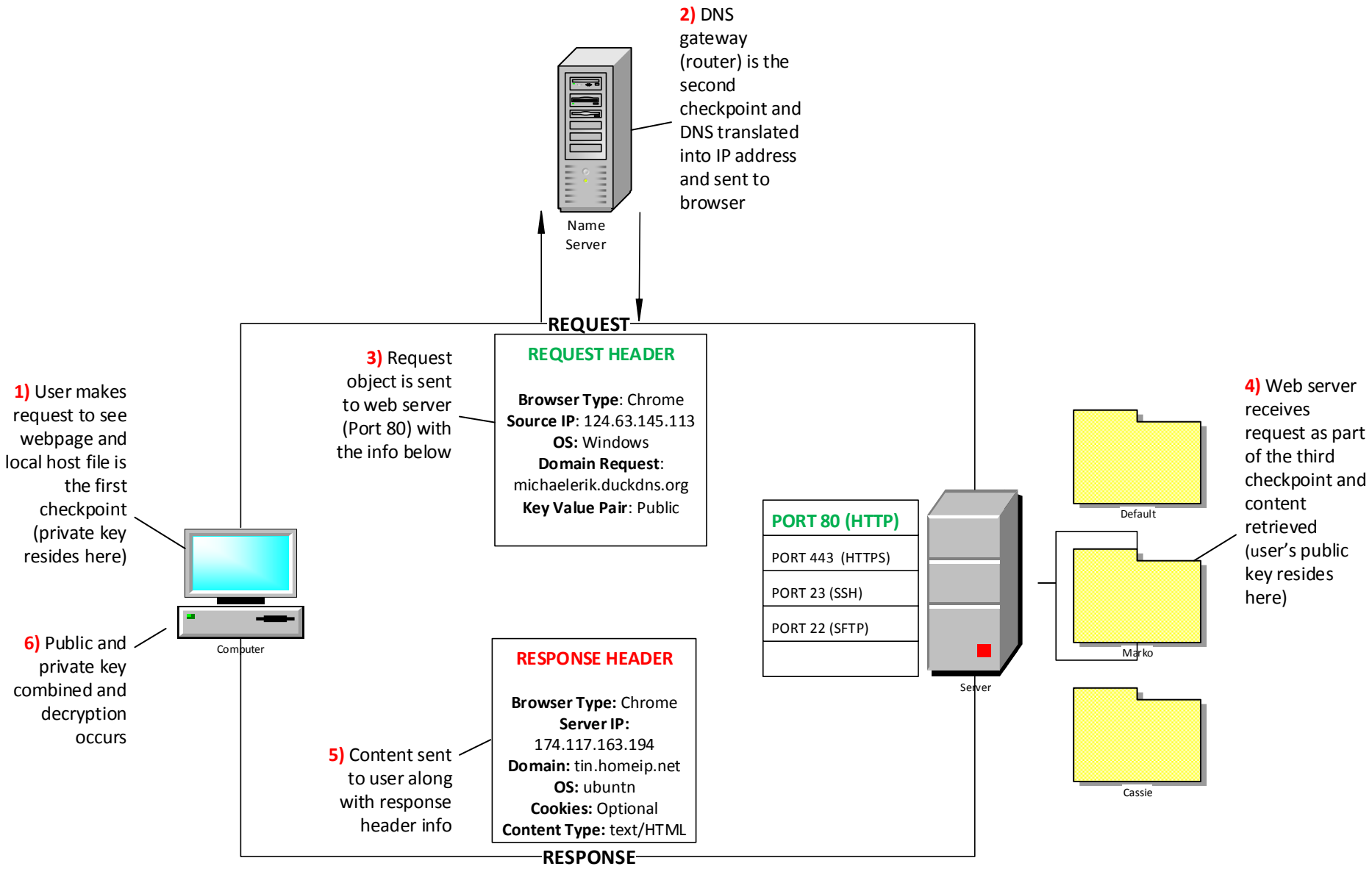
2) DNS gateway (router) is the second checkpoint and DNS translated into IP address and sent to browser
Name Server
REQUEST
3) Request object is sent to web server (Port 80) with the info below
REQUEST HEADER
Browser Type: Chrome
Source IP: 124.63.145.113
OS: Windows
Domain Request: michaelerik.duckdns.org
Key Value Pair: Public
1) User makes request to see webpage and local host file is the first checkpoint (private key resides here)
Computer
6) Public and private key combined and decryption occurs
PORT 80 (HTTP)
PORT 443 (HTTPS)
PORT 23 (SSH)
PORT 22 (SFTP)
Server
Default
Marko
Cassie
4) Web server receives request as part of the third checkpoint and content retrieved (user's public key resides here)
RESPONSE HEADER
Browser Type: Chrome
Server IP: 174.117.163.194
Domain: tin.homeip.net
OS: ubuntn
Cookies: Optional
Content Type: text/HTML
5) Content sent to user along with response header info
RESPONSE