

NAVAJA-SEE SERVER



SECURE
EMAIL
ENTERPRISE
SERVER

Manual, additional detailed
information

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Overview



What is the NAVJA-SEE Server ?

The Navaja-SEE (Secure Email Enterprise) Server gives you the option to decrypt and encrypt your business & private communication, like emails, SMSs, iMessages, What up

messages, Twitter posts, Facebook postings and any kind of conventional text or message ! It works for every available platform because it is **web based !**

Compatibility ?

Messaging

The Navaja-SEE (Secure Email Enterprise) Server is **compatible to:**

- iPhone Navaja clients
- iPhone (native)
- iPad (native)
- iPad Navaja Clients
- iPod Touch (native)

- iPod Touch Navaja Clients
- Mac OS X Navaja clients
- Mac OS X 10.1-10.10 and higher (native)
- Windows XP- 10 higher (native)
- Windows phones (native)

- Android smartphones (native)
 - Linux
 - other platforms with a native Internet browser
- („native“ means the compatibility with a common Internet-browser)

Which hardware is required to run NAVAJA-SEE Server

No extraordinary hardware is required to run the NAVAJA See Server **just a Mac with 10.9,10.10 or higher will do the job !**

Navaja SEE Server will run super lightweight on your current desktop mac or

macbook, with out harming your work process in any way, like performance !

If you want to run the Navaja See Server on a new hardware a brilliant choice would be to buy a new mac mini, because of its

low cost and low energy consumption ! Mac OS X Server 4.0 > is not necessary to run the Navaja See server, but of course it will also work on this platform like charm !

Security?

NAVAJA See Server is the most effective and 100% secure messaging and communication server ! Why ? Because it uses an high level industrial encryption algorithm together with a mac the software runs a capsuled web sever which is not hackable or breakable it is

breathtaking and unbelievable stable! Because the web sever and the Navaja See server is combined and capsuled attacker would not be able to infiltrate the base system at all !! Together with the Navaja Secure Email app client (available in the apps tore) and the Navaja Secure Email

software for the Mac (available in the Mac store) it is the most secure way to communicate in the world, no data leaks, no infiltration ! A self signing root SSL certificate of the software itself guarantees a 100 % security a secure socket tunnel between the Navaja-SEE Server and every client

Setup?

Setup the NAVAJA See Server is extremely easy !! Just download the software from the Mac store, double click it to start, **READY !**

After downloading from the app store Navaja See server will appear in your application directory or in the Launchpad,

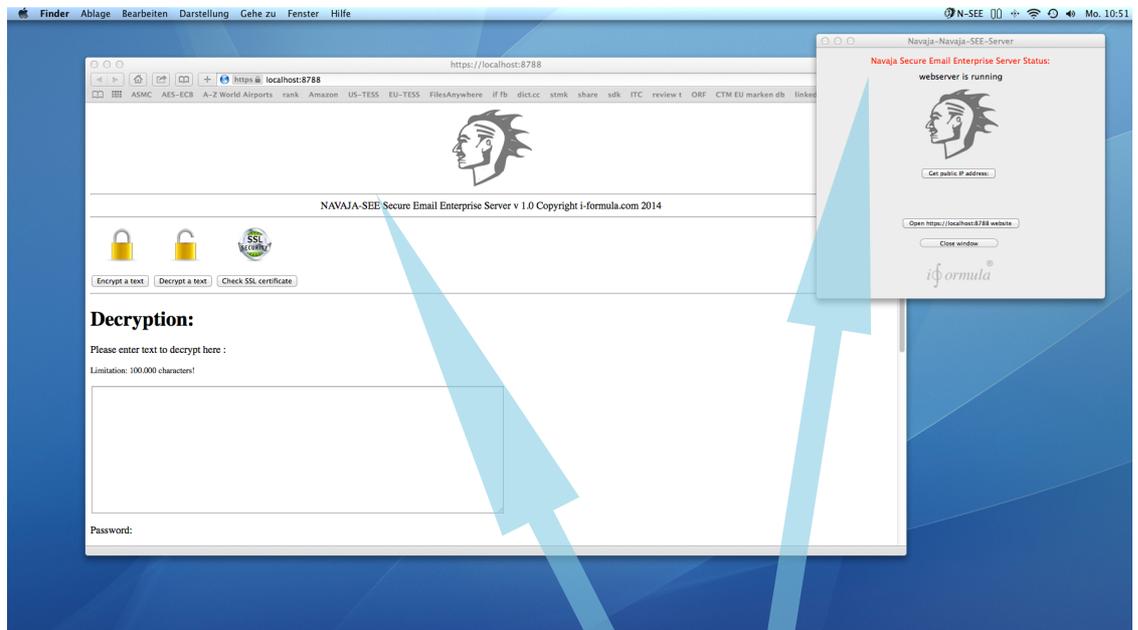
you can also put it in your dock, like we did it !

Start it in the dock or application dir, launchpad





Running the server



Navaja SEE server starts up immediately and is already running, if you like you can now close the app window, the server will run in background mode and can be permanently controlled by the icon in the finder menu near the clock on the top right side of your screen !

Navaja See server is available under your localhost or local IP: <https://localhost:8788>
Depending on your network local configuration your local IP address could be for example: <http://192.168.1.xx:8788>
PORT is set to 8788 if you need a customized PORT please contact us !



Sharing

Want to share your Navaja-NSEE server to the Internet

We recommend a VPN connection for external sharing to external clients for the highest security and accessing local IP-addresses only, but you can of course share your Navaja-SEE server just by configuring your router or local firewall ! Therefore you need to setup

your firmware or Internet router-modem with a port forwarding rule to your local mac. This is made directly in the router setup with a new rule, f.e. if your local mac, where your Navaja SEE server is running, f.e. has the local IP address 192.168.1.100 -> your

rule has to be set to this IP, Port:8777

To provide your public IP address to other, who want to access your Navaja-See server from the Internet just click the „Get public IP-Address Button“ in the NAVAJA SEE Server window !

The screenshot shows the Navaja-NSEE server interface. The main window displays a 'Decryption:' section with a text input field and a 'Password:' label. A smaller window titled 'Navaja-Navaja-SEE-Server' is overlaid on the right, displaying 'Navaja Secure Email Enterprise Server Status: webservice is running' and a 'Get public IP address' button. A blue arrow points from the text 'Get public IP-Address to provide to others' at the bottom to the button in the status window.

Get public IP-Address to provide to others



Encryption, Decryption

Decrypting

You received a encrypted message, which was originally encrypted with a

Navaja product ? **It's so easy** - Just cut & paste the text **without** the „navaja://„ string

into the decryption form, enter the password and the press decrypt button,

https://localhost:8788

NAVAJA-SEE Secure Email Enterprise Server v 1.0 Copyright i-formula.com 2014

Encrypt a text Decrypt a text Check SSL certificate

Decryption:

Please enter text to decrypt here :

Limitation: 100.000 characters!

MfR9aEiI78JUOdyqk3LI45D2z8j8EBe+wK7NvU5fwlrKZzd36hkw+uz6M0q0Ev4of+3nYJ+h7cPW/txVH7bDRT2knLR1K8U3YCoLHD8=

Password:

....

Decrypt

https://localhost:8788/post.html

Decrypted Text:

if security matters http://www.i-formula.com



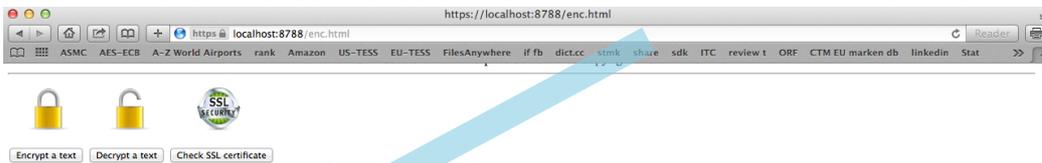
Encryption, Decryption

Encryption

You want to encrypt a text message 100 % secure and provide it to others, like iPhone, iPads, Android phones, Windows phones, Windows or Macs ?, Just that easy -

choose the „Encrypt a text“ button enter or copy & paste your text , choose a password press the „Encrypt“ button and copy & paste the encrypted text for further

processing your just email it out form the webpage by opening your configured email-client !!



Encryption:

Please enter text to encrypt here:

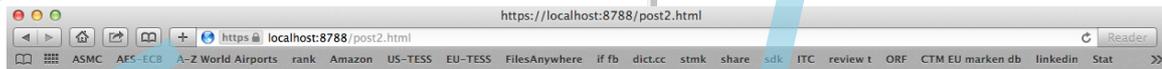
Limitation: 100,000 characters! Special characters will be removed !

Input field containing the text: "if security matters http://www.i-formula.com"

Password:

Input field for password, currently showing four asterisks.

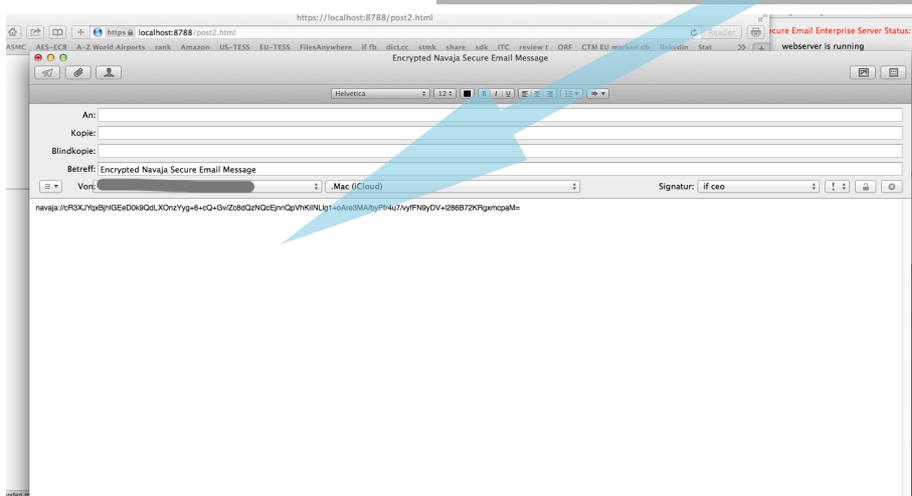
Encrypt



Encrypted Text:

cR3XjYqxBjhiCEeD0k9QdLXOnzYyg+6+cQ+Gv/Zc8dQzNQcEjnnQpVhKiNLIg1+oAre3MA/bPfr4u7/vyFFN9yOV+1286872KRgxmcpaM

[Send encrypted text above as email](#)





Know Limitations

Limitations

Navaja-SEE Server is a text-based secure communication server software system, it does not support special character like umlauts, special characters will be removed

automatically ! Web sever's port is set to 8788 if you need another port, please contact us ! Message maximum characters is set to 100.000 characters for security anti-hammer reason, if

you need more or less characters please contact us ! In rare circumstances blank characters may be replaced by a + character between the several Navaja clients!



Technical Details

Technical Details

SSL tunneling

Port: 8788

Software capsuled web-server

Sandbox Capabilities:

Incoming, outgoing connections (Server, Client)

SSL certificate authentication proof

In the NAVAJA-SEE Server webpage press the „Check SSL certificate“ button to see detailed information about the

self signed SSL certificate.
WARNINGS about the SSL certificate that it is not secure are normal !!!

Because it is self signed by the software and not from a big ssl certificate provider, which is of course



Get Navaja iOS & Mac clients



<http://www.i-formula.com/navaja/ios/>



<http://www.i-formula.com/navaja/mac>



SSL self signed issues, SSL cert. expiration

SSL certificate

High Sierra Safari,
Firefox issues :

Web Browser shows,
that the SSL certificate
is invalid, blacklisted
server e.g., of course

the SSL certificate is
valid and only self-
signed in the NSEE
capsuled web server,
which generates the
SSL Tunnel between
the server and the
client browser. The
certificate can be

trusted, just add the
server to exceptions
(Firefox) or „open site
anyway“ (Safari). If the
SSL certificate is
expired (NSEE version
1.0) update to NSEE
version 2.0 for free,
remove the

„SecureHTTPServer“
SSL certificate in your
systems keyring, run
NSEE version 2.0,
which will install a new
SSL certificate expiring
in more than 20 years
in the future.



Know Limitations

Contact us

Having problems ?
Don't hesitate to
contact us for
individual support !
Our support
response time set
standards and is very

quick, we are looking
forward to help you
as soon as possible !
Our goal are **very**
satisfied customers,
this and many other
facts situated us as

one of the world
leading Mac and iOS
software engineering
companies:

office@i-formula.com

Warnings, exclusion of warranty, liability and guarantee !!

!Exclusion of liability ! Exclusion of
warranty and guarantee !

That powerful validation, and our
reputation for safety, durability,
reliability, and ease of use, has
also driven our consumer
dedication further than ever
anticipated. Moving forward, our
commitment to "Perfection"
remains steadfast: we will never
compromise quality. We will
continue to invest tremendous
resources in the technology and
talent necessary to improve our
products wherever possible; and
we will always strive to deliver
maximum customer satisfaction!

Changes as well as spelling and
typing errors may appear, the
author of this document is not
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manual is a "living document",
which is constantly expanded and
improved! Exclusion of damages
claims, warranty - !Exclusion of

liability ! Exclusion of warranty
and guarantee !

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immaterial nature caused by use
or disuse of the presented
information or by the use of faulty
and incomplete information are
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Requirements:
> Mac OS X 10.9, 10.10 or higher

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