

# GENOA Transformer © Pre-Install Checklist

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# TABLE OF CONTENTS

1.	PRE-INSTALL CHECKLIST	3
1.1	Introduction	3
1.2	Minimum requirements for installing GENOA Transformer ©	3

# 1. PRE-INSTALL CHECKLIST

## 1.1 INTRODUCTION

Verify that the following requirements are met before you install GENOA Transformer ©.

You can download the GENOA Transformer © software from the GENOA Customer Portal web page. For more information about installing and configuring GENOA Transformer © version 2, see the installation and configuration content.

When you verify requirements in this document, see the Compatibility matrix.

## 1.2 MINIMUM REQUIREMENTS FOR INSTALLING GENOA TRANSFORMER ©

### 1.2.1 PRE-INSTALL CHECKLIST FLOW CHART



### 1.2.2 STEP1: COMPATIBILITY

The following requirements apply when you need to configure computers or devices to support GENOA Transformer © in your organization.

#### Complete Requirement

- Verify that, BUEM Server is configured, up and running first.
- Verify that, BEMS Server is configured (with "Mail-Service enabled"), up and running first.
- Verify that the computer where GENOA Transformer © E-Mail Push Notification (EPN) is planned to install on has RunJava component installed (check if file nrunjava.exe in Domino directory exists).
- Verify that your computer is running an IBM Domino Server that supports GENOA Transformer ©
- Verify that you have a computer running with IBM Notes Client on Windows to do the installation or update of GENOA Transformer ©
- Verify that your computer where GENOA Transformer © is planned to install, is running an IBM Domino Server with Internet Sites Documents enabled. (In the Domino Administrator go to Configuration > All Server Documents > Transformer Server > Server document > Basics > Section "Basics")
- Verify that all IBM Domino servers containing mailboxes have the http task (incl iNotes) enabled and configured.

- Verify that all IBM Domino server containing mailboxes must have added the GENOA Transformer © server name (or group where the GENOA Transformer © is member of) to the trusted servers (security > server access > trusted servers) in the server documents.
- Verify that your computer is running an IBM Traveler Server that supports GENOA Transformer ©
- Verify that your computer is running a Good Work App that supports GENOA Transformer ©
- Verify that your computer is running a BlackBerry Work App that supports GENOA Transformer ©
- Verify that your computer met the hardware requirements to supports GENOA Transformer ©

### 1.2.3 STEP2: CONNECTIVITY

The following requirements apply when you need to configure computers or devices to support GENOA Transformer © in your organization.

#### Complete Requirement

- Verify that your IBM Traveler Server is accessible over TCP/IP Port 80 (http) and 443 (https) from the computer where GENOA Transformer © is planned to install on.
- Verify that the computer where GENOA Transformer © is planned to install on is accessible over TCP/IP Port 443 (https) from BlackBerry Proxy Server.
- Verify that the computer where GENOA Transformer © is planned to install on have an IP address from the same subnet as the IBM Traveler Server or an ip from a subnet which can route traffic to the IBM Traveler Server.
- Verify that you have DNS support for resolving IP addresses into host names.
- Verify that you are able to add a new DNS entry for the additional virtual host to support GENOA Transformer ©. (example transformer.domain.local)  
Note: The new DNS entry **MUST NOT** contain the existing Traveler IP address. The existing DNS entry for traveler.domain.local **MUST NOT** contain the new GENOA Transformer © IP address.
- Verify that you are able to add a new IP address for the additional virtual host on the same subnet as the IBM Traveler Server to support GENOA Transformer ©.
- Verify that the TCP/IP Port Status is "Enabled" and not set to "Redirect to SSL" In the Domino Administrator go to Configuration > All Server Documents > Traveler Server > Server document > Ports> Internet Ports > Web
- Verify that the Property "Bind to Host name" ist set to "disabled. In the Domino Administrator go to Configuration > All Server Documents > Transformer Server > Server document > Internet Protocols > HTTP > Section "Basics"
- Verify that NRPC (Notes Remote Procedure Call) communication between the GENOA Transformer and GENOA Transformer © EPN component is possible.
- Verify that a SQL communication between GENOA Transformer © EPN component and the BlackBerry BEMS SQL Database is possible.
- Verify that Mixed Authentication mode on the SQL-Server is enabled (needed!).  
Note: Not needed for Kerberos enabled configuration

- Verify that a SQL-only user (no windows-user!) with read-only access to the BEMS DB and set default DB to BEMS DB also exists.  
Note: For Kerberos enabled configuration must be a windows user
- Verify that a outgoing connection to gdweb.good.com (TCP-Port 443) can be established over a direct link or a HTTP-proxy (with or without authentication enabled).
- Verify that a outgoing connection to license.genoa.at (TCP-Port 443) can be established over a direct link or a HTTP-proxy (with or without authentication enabled).
- Verify that for Notes Native Encryption (NNE) Reading Support by GENOA Transformer © following is enabled.
  - HTTP/HTTPS communication between the GENOA Transformer and the IBM Domino Servers containing mailboxes.
  - The GENOA Transformer © host name and IBM Domino Servers containing mailboxes host names must be in the same DNS Domain (example transformer.domain.local matches mailserver.domain.local)

#### 1.2.4 STEP3: CERTIFICATE

The following requirements apply when you need to configure computers or devices to support GENOA Transformer © in your organization.

##### Complete Requirement

- Verify that one certificate (example selfsign with 1024 Bit) for the virtual host (example transformer.domain.local) is available.  
  
Generating a keyring file with a **self-signed** SHA-2 cert using OpenSSL and kyrtool  
[https://www-10.lotus.com/ldd/dominowiki.nsf/dx/Self-signed\\_SHA-2\\_with\\_OpenSSL\\_and\\_kyrtool?open](https://www-10.lotus.com/ldd/dominowiki.nsf/dx/Self-signed_SHA-2_with_OpenSSL_and_kyrtool?open)  
  
How to set up SSL using a **third-party Certificate Authority (CA)**  
<http://www-01.ibm.com/support/docview.wss?uid=swg21268695>  
  
Note: For more information see the IBM Domino documentation.

#### 1.2.5 STEP4: ADMINISTRATION

The following requirements apply when you need to configure computers or devices to support GENOA Transformer © in your organization.

##### Complete Requirement

- Verify that a IBM Domino native Application can be installed on the IBM Domino Server where GENOA Transformer © is planned to install on.