# Trust Negotiation Server – Directory Structure

## Root Server Directory

### AA – Contains Files/Folders relevant to the system’s Attribute Authority

#### Certs

##### idCert.PEM

##### Trusted\_AC\_Issuer\_Certs – Contains certificates of entities trusted by this system to generate ACs

###### ${trusted(1)}.PEM

###### ${trusted(2)}.PEM

###### …

###### ${trusted(n)}.PEM

##### Root\_AA

###### root\_cert.pem

#### Keystore

##### publicKey.key

##### privateKey.key

##### Root\_AA

###### publicKey.key

###### privateKey.key

### ACFields – Contains a text file with fields for the next AC to be generated with.

#### ac.txt

### EMRDownload – Contains the EMR to be downloaded by the client. It will be empty until the client is authorized to access the EMR.

#### ${EMR}

### GeneratedACs – Contains the AC generated by this system’s AA that is to be presented to the client to add to their trust profile. This folder will be empty until the user is authorized to access the EMR.

#### ${AC\_ID}.PEM

#### Chain

##### ${CHAIN\_CERT(1)}.PEM

##### ${CHAIN\_CERT(2)}.PEM

##### …

##### ${CHAIN\_CERT(n)}.PEM

### GeneratedIDCerts – Contains the ID Certificate generated by this system, that authenticates the user to this system. This folder will be empty until the user is authorized to access the EMR and even then will only contain an ID Cert if the user did not previously posess a certificate generated by this system.

#### ${ID\_CERT}.PEM

#### Chain

##### ${CHAIN\_CERT(1)}.PEM

##### ${CHAIN\_CERT(2)}.PEM

##### …

##### ${CHAIN\_CERT(n)}.PEM

### Security – Contains the certificates and keys associated with this systems Certificate Authority.

#### Certificates

##### idCert.PEM

##### Root\_CA

###### root\_cert.PEM

#### Keystore

##### privateKey.key

##### publicKey.key

##### Root\_CA

###### privateKey.key

###### publicKey.key

### UploadedCSR – Contain the client’s uploaded Certificate Signing Request. This folder will be empty unless the client does not possess credentials for this system, and uploads the CSR to obtain those credentials.

#### ${CN}.CSR

### UploadedCerts – Contains the ID\_Certificates and ACs uploaded by the client for use in the Trust Negotiation process to authenticate and authorize them to the requested data.

#### ACs

##### ${AC\_ID(1)}

###### ${AC\_ID}.PEM

###### Chain

${CHAIN\_CERT(1)}

${CHAIN\_CERT(2)}

…

${CHAIN\_CERT(n)}

##### ${AC\_ID(2)}

###### ${AC\_ID}.PEM

###### Chain

${CHAIN\_CERT(1)}

${CHAIN\_CERT(2)}

…

${CHAIN\_CERT(n)}

##### …

##### ${AC\_ID(n)}

###### ${AC\_ID}.PEM

###### Chain

${CHAIN\_CERT(1)}

${CHAIN\_CERT(2)}

…

${CHAIN\_CERT(n)}

#### IDCerts

##### ${ID\_CERT(1)}

###### ${ID\_CERT(1)}.PEM

###### Chain

${CHAIN\_CERT(1)}

${CHAIN\_CERT(2)}

…

${CHAIN\_CERT(n)}

##### ${ID\_CERT(2)}

###### ${ID\_CERT(1)}.PEM

###### Chain

${CHAIN\_CERT(1)}

${CHAIN\_CERT(2)}

…

${CHAIN\_CERT(n)}

##### …

##### ${ID\_CERT(n)}

###### ${ID\_CERT(1)}.PEM

###### Chain

${CHAIN\_CERT(1)}

${CHAIN\_CERT(2)}

…

${CHAIN\_CERT(n)}

##### GoodID

###### ${ID\_CERT}