

## European Bridge CA

### A Brief outline of European Bridge CA

- A successful public-private partnership.
- More than 700,000 e-mail certificates are available from staff at member organizations.
- European Bridge CA stands for the trustworthiness of its member organizations. Its uniform security standards are binding for all members.
- On joining European Bridge CA, new members can communicate on a trustworthy basis with other members without any need for n-fold bilateral contracts.
- European Bridge's root certification authority is audited by Webtrust. Service is conducted in a trust centre evaluated in accordance with the German Digital Signature Act (SigG).
- Added values and favorable conditions for members.

### Members

European Bridge CA is a non-commercial network consisting of a public key infrastructure (PKI) of member companies and authorities.

The board of European Bridge CA is elected from among the members. The board is responsible for strategic control functions and is planning, in cooperation with the project manager, the extension of services offered.

Allianz	D-Trust
Deutsche Bank	Microsoft
Deutsche Telekom	Siemens
Deutsche Bundesbank	BSI

The Federal Ministries of the Interior, Transport, Urban Development and Housing

The Federal Offices for Migration and Refugees, the Federal Office of Criminal Investigation, the federal administration, the Coordination and Advisory Bureau of the Federal Government for Information Technology in the Federal Administration, the Federal Commissioner for Data Protection and Freedom of Information, Federal Bureau for Statistics and Communication Technology Lower Saxony, Signature Alliance Lower Saxony

The states of Bavaria, Berlin, Brandenburg, Hamburg, Rhineland-Palatinate, Schleswig-Holstein, Saxony-Anhalt, Thuringia and Lower Saxony

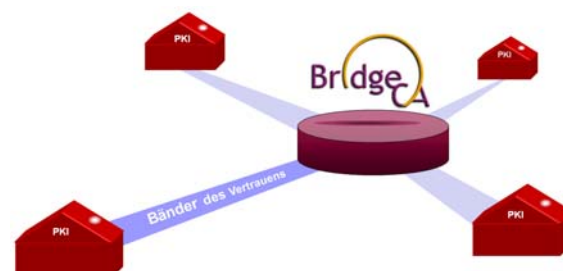
The Austrian Regulatory Authority for Broadcasting and Telecommunications.

### History and motivation

European Bridge CA was founded in 2000 with the aim of facilitating secure e-mail communication between companies and the authorities without any need to conclude n-fold bilateral contracts.

European Bridge CA is sponsored and operated by TeleTrust Deutschland e.V., a non-profit association which provides central infrastructural components for the distribution of X.509 user certificates on behalf of members and root certificates for the root authority.

All members confirm that they will observe both the required security standards and the technical interoperability specifications.



European Bridge CA establishes symbolic bridges between existing public key infrastructures of companies and the authorities. It offers scalable solutions to the following questions:

- How does one gain trust in digital certificates and external partners?
- How can certificates be distributed in a manner that is safe, secure and trustworthy?
- How can certificates and signed data be reliably authenticated?

### The advantages

European Bridge CA provides a reliable framework for networked business processes. Its members can, for example, generate the following exemplary added values:

- Server and client authentication (TLS/SSL)
- Secure e-mail, as well as code and document protection
- Validation services

## European Bridge CA

---

This allows members to create federated identities, for instance, and to realize secure single signing-on both within the organizations and elsewhere.

### Services provided by European Bridge CA

---

European Bridge CA offers members a wide variety of services:

#### A certificate trust list

---

With its signature, European Bridge CA confirms the origin of members' certificates in the form of a certificate trust list. Its confirmation creates the basis for a relationship of trust between the various members.

#### Directory service

---

The directory service of European Bridge CA provides the certificates submitted voluntarily by its members, thereby making them available for conducting fully qualified queries. Over 700,000 certificates can now be accessed.

#### Browser integration

---

The European Bridge CA certificate is currently being integrated into the root key store of standard internet browsers. Supplementing the trust list, it will facilitate trustworthy and secure exchanges between members and considerably extend the scope of trust.

### Admission procedure

---

Candidates applying to join European Bridge CA must submit to a pragmatically designed, simple, three-phase admission procedure:

#### 1. Inter-operability test

---

The initial inter-operability test ensures that communication between the members and European Bridge CA remains absolutely secure at all times, thus avoiding complications later on.

#### 2. Security level requirement

---

Potential members must take technical and organization measures to ensure that they meet the required security standards. They must describe the measures they have taken in the form of a policy as set out under RFC 2647. They must fulfill the security standards required by European Bridge CA. As proof, prospective members must disclose their policy to European Bridge CA.

European Bridge CA examines whether the required security level has been met and indicates which measures must be taken to reach this goal.

#### 3. Member's declaration

---

To be admitted to European Bridge CA, prospective members must conclude a co-operation agreement and submit a declaration to the effect that they will adhere to security standards.

On having completed this procedure, new members are entitled to use all the services offered by European Bridge CA. From this moment on, they are also free to engage in trustworthy and secure communication with all the other members.

### Annual fees

---

The annual membership fee for European Bridge CA is calculated as a basic fee of € 2,500, covering the cost of 100 certificates. Additional fees are progressively staggered depending on the number of certificates issued. If the number of certificates reaches or exceeds 5,000, a lump-sum fee of € 17,500 will be charged.

### Contact partners

---

Ekkehard Diedrich      Tel.: 030 / 40054308  
TeleTrust Deutschland Fax: 030 / 40054311  
[ekkehard.diedrich@teletrust.de](mailto:ekkehard.diedrich@teletrust.de)