

Code example for general HTTPS access without a certificate

🌐 Language: [Deutsch](#) · [English](#)

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HttpsURLConnection without certificate validation – for testing only.

REFERENZ

DEVELOPER

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APPLIES TO NUCLOS 4.2026.X



Security note

Disables certificate validation – for **testing/development** only, never in production.

General HTTPS access via `HttpsURLConnection` **without certificate validation** (`NullTrustManager/NullHostnameVerifier`):

```

public class SSLExample {

    public static void main(String[] args) throws IOException {
        String sUrl = "https://sshrest.de";

        trustAllCertificates();

        URL url = new URL(sUrl);
        URLConnection urlConnection = url.openConnection();
        InputStream is = urlConnection.getInputStream();

        is.read();
        is.close();
    }

    private static void trustAllCertificates() {
        try {
            TrustManager[] trustManagerArray = {new NullX509TrustManager()};
            SSLContext sc = SSLContext.getInstance("SSL");
            sc.init(null, trustManagerArray, null);
            HttpsURLConnection.setDefaultSSLSocketFactory(sc.getSocketFactory());
            HttpsURLConnection.setDefaultHostnameVerifier(new NullHostnameVerifier());
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    /**
     * Host name verifier that does not perform any checks.
     */
    private static class NullHostnameVerifier implements HostnameVerifier {
        public boolean verify(String hostname, SSLSession session) {
            return true;
        }
    }

    /**
     * Trust manager that does not perform any checks.
     */
    private static class NullX509TrustManager implements X509TrustManager {
        public void checkClientTrusted(X509Certificate[] chain, String authType)
            throws CertificateException {
        }

        public void checkServerTrusted(X509Certificate[] chain, String authType)
            throws CertificateException {
        }

        public X509Certificate[] getAcceptedIssuers() {
            return new X509Certificate[0];
        }
    }
}

```

Related pages

Code example for SSL REST access without a certificate

SSL REST.

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