

Advanced Electronic Signature



The Electronic Register of Liens project gave rise to the need to have automated mechanisms that would allow DCV to produce electronic certificates of position, which should be signed with an electronic signature.

DCV decided to introduce the use of advanced electronic signatures in its documents because it provides its clients with the following benefits:

- Authentication of content, it is feasible to detect any modification performed to the document after the signature process, therefore ensuring that the content delivered by the client has not been modified.
- Identification of the signatory or signatories; guarantying that the signatory, or the signatories are who they say they are, thus avoiding forgery.
- Non-repudiation; by ensuring that the signatory or signatories say who they are, none can deny having signed the document, which gives legal reliability to the signed document.

CHALLENGES OF THE PROJECT

The relevant issues considered in the implemented solution addressed the following aspects:

- Automation of the signature process of DCV representatives in the electronic certificates issued to our clients.
- Ensuring the availability of the service so that its operational continuity is not compromised.
- Have a vanguard solution that allows the safe management of both digital certificates, and the signature of documents on the part of DCV.

IMPLEMENTED SOLUTION

To ensure the operational continuity of the Advanced Electronic Signature service, the technology solution was implemented in the primary production, secondary and disaster recovery sites.

PA specialized hardware component to store and protect the access to the digital certificates was acquired, whereas,

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management software with specific functions was acquired to manage and to make available certificates in view of the requirements of the different services that DCV offers.

Procedures and security controls are in place, that only give access to the technological components to authorized persons.

In summary, we looked to provide a service with maximum security and effectiveness for the clients that will use it.

PENDING CHALLENGES

The use of the advanced electronic signatures in the electronic certificates of position generated in the context of the Electronic Register of Liens service corresponds to the beginning of a process where we hope to include the advanced electronic signature in other documents or certificates that DCV issues. Therefore, beginning in the second quarter of 2012, DCV will expand the use of this service to all certificates of position that depositors request through the Web application, in this way completing the implementation of the advanced electronic signature for the Electronic Position Certificates service, as well as graphic and image changes.

Diagram of the new certificate:

dcv CERTIFICADO DE POSICIÓN N°: 175554 Fecha: 19/10/2011
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Depósito Central de Valores S.A. Depósito de Valores, certifica que INMOB. E INV. QUEVEDO CALLEJAS LTDA., Rut 77.534.620-5 registra a las 16:25 hrs. del día 02/12/2011 las siguientes posiciones en depósito:

Secuencia	Cuenta	Instrumento	Tipo	Moneda	Posición disponible
1	102711-5	COPEC	ACCION	Unidades	10.000,0000

Total página posiciones: 10.000,0000
Total anterior posiciones: 0,0000
Total acumulado posiciones: 10.000,0000

En la emisión del presente certificado se han considerado los siguientes criterios de selección:

Tipo de posición: Sólo disponible
Tipo de cuenta: Valores Terceros Grupal

Este certificado es nominativo, intranferible y no negociable, se emite a conformidad de reglamentos 13 y 14 de la ley N° 18.876 y suscribe mediante firma electrónica avanzada.

Fernando Yáñez González

Rodrigo Roblero Arriagada

Para los efectos de este certificado se entenderá por:

Instrumento	Aquel que permite individualizar valores homogéneos conforme se indica y describe en Circular 1.085 de la Superintendencia, o en su defecto, de conformidad a su código de transacción bursátil.
Posición	Saldo que el Depositante registra en su cuenta para cada uno de los valores que componen su cartera y que refleja además, el estado de disponibilidad de los mismos.
Posición disponible	Corresponde a aquellas posiciones que el Depositante puede transar y disponer libremente.