

論文名稱：驗證加密表單應用於新聞儲存  
及播放之研究

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論文提要內容：

新聞資料在播放時會先儲存於播放伺服器，而駭客若入侵播放伺服器的話，原先要播放的新聞就會遭到竄改，被竄改的新聞除了會造成有關單位形象受損，更甚者會因沒發現情報遭到竄改有實質上的損失。

本研究使用驗證及加密表單來保護新聞資料，我們設置加密表單來加密新聞，運用格式碼來調撥加密順序，增加破解的複雜度，利用我們提出的方法來驗證確認新聞資料是否遭到竄改，如果驗證無誤則正常播出，若遭到竄改則不播出該則新聞，不同於以往將加密表單額外儲存的作法，我們透過計算將加密表單和驗證碼直接隱藏到加密檔案裡面，以提升加密的安全性。

關鍵字：驗證(verification)，加密(encrypt)，解密(decrypt)。

# Study in Verification of encryption data table for storing and broadcasting news

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### Abstract

The data must keep security in the computer system. We collect all data (news) and broadcast them to all users. We avoid the data to be modified by attacker and broadcast the wrong message. We propose the method to collect the news and store them in computer system in security. We encrypt the news and store the encrypted news in the encrypted news database. Before we want to broadcast, we decrypt the encrypted news.

In this study, we set encryption data table and use it to encrypt the news file to encrypted news data. All news have different location code in the news information database. We use location code to insert encryption data table to encrypted news and store the encrypted news to encrypted news database. In this paper, we propose the method of verification to check the encrypted news is modified or not. When we install these algorithms in the computer system to process, it is more secure.

Keywords: verification, encrypt, decrypt.