

### Honeytokens: The Other Honeynot

The purpose of this series (http://www.secuninfocus.com/infocus/1659) of honeypet papers is to cover the breadth of honeypet (http://www.tracking-hackers.com/papers/honeypets.html) sechnologies, values and issues. I hope by now readers are beginning to understand that honeypets are an incredibly powerful and finelible technology. They have multiple applications to security, everything thouspets were further by discussing honeypeters. The supplements are everything a honeypet is a comparable.

One of the greatest misconceptions of honeypots is they have to be a computer, some physical resource for the attacker to interact wist. While this is the traditional manifestation of honeypots, its not the only one. Take into consideration the definition of the honeypot, as defined by the honeypot mailing list (http

A honeypot is an information system resource whose value lies in unauthorized or illicit use of that resource."

Note in the definition that we do not state a honeypot hat to be a completer, menely that it is a resource that you want the bad goys to insert with. That is exactly what a honeypotine in a source transport of digital entry. A honeypotine can be a credit card number, Exel great/dever, PowerPrint presentation, a disabetase entry, or wen a bogus logis. Honeypotine compare has no authorized about on the card number of the creation of the creatio

The concept of honeyclaims are not new. This concept is as add as sournly ball. For example, he read discussions of map-making companies insenting bogus clies or reads into their maps to determine if compettors are selling copied wrisins of their own maps. In CIIF Stools 'The Curboo's Egg, 'we learn how he deploys digital first to track and monter a German hader. While the concept is not reve, the term is. What makes honeyclaims new and exciting is we now have a single term to bring their concepts in supplied to the information sournly community.

was first coined by Augusto Paes de Barros in 2003 on the honeypoets maling list. This term aptly described the concept, and as is often true when dealing with technologies, having a commonly accepted term makes the concept easier for others to understand and discuss. That is what this paper attempts to do.

## How They Work

A homepooken is just like a homegot, you put, it out there and no one should returned with it. Any interaction with a homepooken most likely represents unauthorized or malicious activity. What you use it is in the 10 year. A disciss countrie of how in homepooken most likely represents unauthorized access to particular disciss countrie of home a homepooken most likely represent unauthorized access to particular disciss countrie of home a homepooken most likely represent unauthorized access to a detailure when the production of the countrie of the anticology of the countrie of the coun

A bogus medical record called "John F. Kennedy" is created and loaded into the database. This medical record has no true value because there is no real patient with that name. Instead, the record is a honeytoken, an entity that has no author signatures to update, no rules to configure. You load the records, monitor it, and if someone accesses it they most likely have violated the system's usage policy. use. If any employee is looking for interesting patient data, this record will definitely stand out. If the employee attempts to access this record, you most likely have an employee violating patient privacy. It is as simple as that, no fancy algorithms, no

And the complete readings in bodgst Social Security or credit card numbers. We have read numerous stories of large databases compromised, with thousands of 55% or millions of credit card numbers can provided in a database, it the number as secreed, you know someone in visiting systems security, a substitution of the complete in the complete in the complete in bodgst state of the complete in the

For example, the credit card number 435974837584710 could be embedded into database, file server, or some other type of repository. The number is unique enough that there will be minimal, if any, false positives. An IDS signature, such as Snort, could be used to detect when that honeytoken is accessed. Such a simple signature could look as follows

alert ip any any -> any any (msg:"Honeytoken Access - Potential Unauthorized Activity"; content:"4256974827584710";)

just like transformal throughposts, thoropstainers do not colve a specific problem. They are not designed specifically to desert blackhatts or prevent attacks. Instead, they are a highly flexible and simple tool with multiple applications to becoming very flexing through the problem. They are not designed specifically to desert blackhatt or prevent attacks. Instead, they are a highly flexible and simple tool with multiple applications to be considered, very different tools of the management of the transport of the transport tool flexible and simple tools are a flexible and simple tool and their motivation. The second tool and their motivation, they are not designed as the simple tool and their motivation of their motivation and their motivation and their motivation. The simple tool and their motivation are a simple tool and their motivation are a simple tool and their motivation and their motivation. The motivation are a simple tool and their motivation are a simple tool and their motivation. The motivation are a simple tool and their motivation are a simple tool and their motivation. The motivation are a simple tool and their motivation are a simple tool and their motivation. The motivation are a simple tool and their motivation are a simple tool and their motivation. The motivation are a simple tool and their motivation and their

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Honeytokens are an exciting new dimension for honeypots, especially for the insider threat. They are cost effective, simple to deploy, and highly effective. Honeyto

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