Computer Forensic Services

ComputerForensics

Gathering and Documenting Electronic Evidence – by Ibas

Introduction

© Copyright 2002 Ibas. All rights reserved.

Computer Forensic Services

Established in 1978, Ibas is one of the world's leading companies in Data Recovery, Data Erasure and Computer Forensics. The Group's Head Office is located in Norway with subsidiaries, distributors and partners worldwide. Ibas is a company in the Norman Group.

Computer Security Related Incidents

Ibas is proud of its reputation as a world-leading centre of excellence for data recovery and computer forensics.

INCIDENTS HAPPEN and they always will. The pervasion of Information Communication Technology (ICT) as part of the corporate infrastructure as well as the electronic market through the World Wide Web means that the evidence relating to these incidents resides on a computer system.

INFORMATION OR DATA stored on a computer is both dynamic and volatile and needs to be preserved in a forensic manner, in accordance with accepted international principles. The discovery, analysis and interpretation of computer based evidence requires expert and specialist knowledge, understanding and experience. Ibas delivers professional computer forensic services founded on technical expertise and experience. Our services are truly international with highly trained and experienced professional investigation teams able to address our customers' needs anywhere in the world.

Computer Forensic Services

Introduction

Ibas has positioned itself as one of the World's leading authorities for the investigation of computer related incidents. Our professional ethos is based on the precept of remaining product independent. Our unique computer forensic methodology ensures that our specialist skills are applied in the most effective and cost-efficient manner.

THE IBAS METHODOLOGY adopts a unique approach to incident investigation providing both task led or objective driven investigations offering our customers' what they need as well as what they expect. All of our investigations are carried out to meet the highest evidential standards removing any risk that the incident transpires to be more serious than anticipated.

WE PROVIDE an investigation service that adopts a layered approach (comparable to a structure within project management) allowing our customers to retain fiscal control and direction while maximising the value of our expert knowledge and experience.

Objective Driven Investigations

OUR SENIOR INVESTIGATORS will identify, discuss and agree investigation objectives with you. These objectives will be based on your requirements and the anticipated resolution of the incident. We will

also offer advice and guidance for the identification of relevant sources of evidence based on the objectives and evidential priorities.

IBAS WILL ALSO offer realistic estimations as to time and cost. In some cases we can offer a fixed price service based on specific assumptions and dependencies. We will not exceed these estimations without your approval.

Task Led Investigations

IBAS ALSO OFFERS a task led service where our customers are able to specify the desired forensic processes and wish to conduct the analysis of the output. This service reduces the level of skills and knowledge that Ibas applies as well as offering reduced costs.

Ibas Licence

IBAS RECOGNISES that many of our customers' seek to adopt a strategic approach to incident investigation. Such customers seek to develop their own 'in-house' computer forensic capability.

IBAS PROVIDES a Computer Forensic Licence Agreement (CFLA) that addresses such a strategy and seeks to develop long-term relationships with our customers.

OUR LICENCE AGREEMENTS are tailored for each customer addressing specific needs and requirements relating to the following:

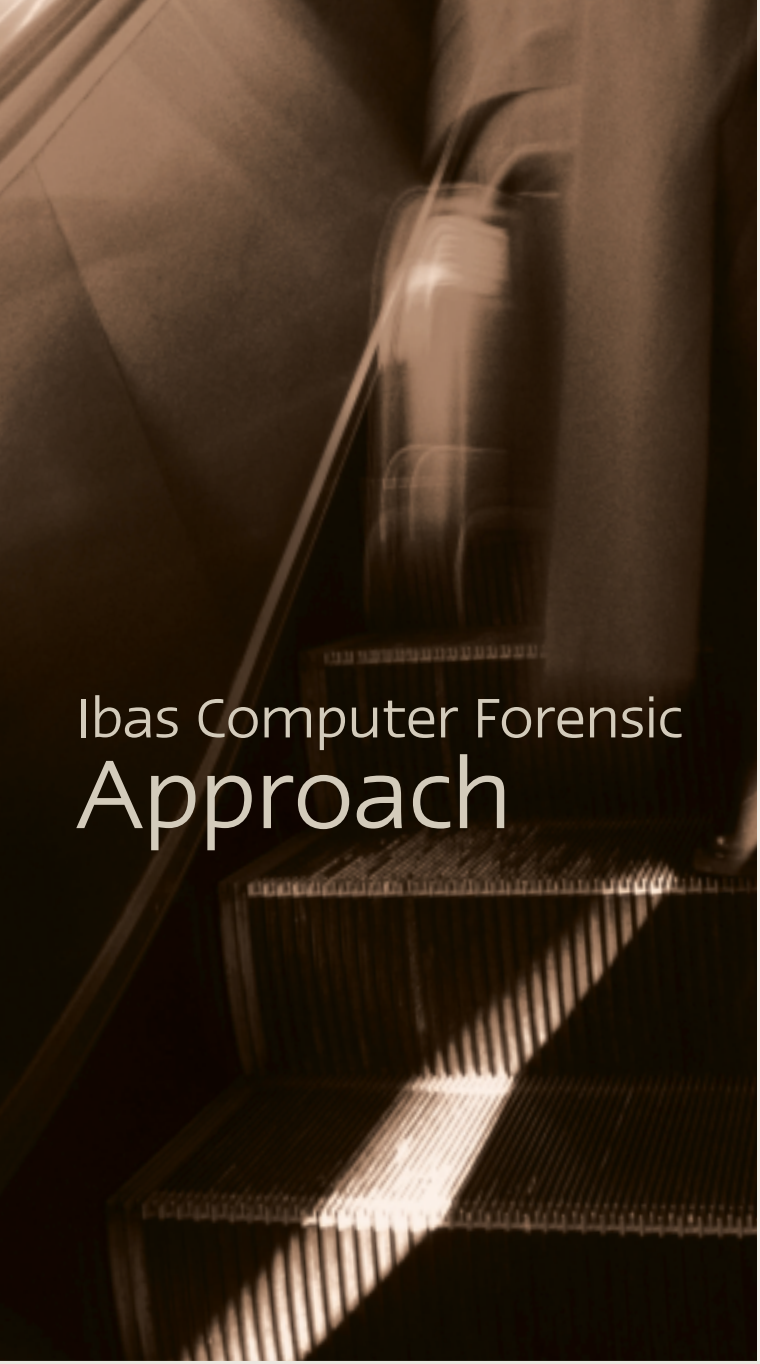
a) preferential and prioritised access to our investigation services
b) on-going operational support and guidance
c) impartial advice and access to forensic resources
d) skills development training
e) methodology training
f) advanced analytical procedures.

Computer Forensic Training

THE IBAS Computer Forensic training program is considered to be an integral part of our License Agreements. However some modules are available on an ad hoc basis. Further details are available on request.

Customer Relationships

OUR CUSTOMERS' range from multi-national corporations to small and medium sized enterprises. We conduct work for and on behalf of law enforcement agencies, private investigators, security consultancies, accountants, auditors and lawyers.



Ibas Computer Forensic Approach

Appropriate Response

Ibas recognises that evidence based on a computer is extremely volatile and will degrade rapidly. To this end our ethos is to respond to your needs in the most timely, appropriate and proportionate manner.

Ibas is committed to freely offering fair and professional advice without obligation or liability.

Investigation Plan

FOLLOWING YOUR ENQUIRY with Ibas one of our Investigation Managers will prepare a written Investigation Plan setting out the agreed objectives, sources of evidence and our time and cost estimations. This, together with a Standard Terms and Conditions, will form the agreement between us. Upon receipt of your written instructions we will proceed with the investigation as soon as practicable.

Delivery and Collect

A SIGNIFICANT AMOUNT of our work is carried out in one of our computer forensic laboratories. Customers can choose to deliver and collect the relevant sources of evidence from any of our Forensic Laboratories. In such cases Ibas will offer advice regarding transportation and requirements relating to the evidence.

IBAS OFFER formal training on the identification and preservation of computer based evidence as part of our training program. Further details are available on request.

Location Work

THE NEED FOR IMMEDIATE response and confidentiality requires that a substantial number of computer forensic investigations be carried out on our customer's site or other appropriate location. Such investigations ensure that all relevant sources of evidence are identified and examined in situ. Working "on location" offers many advantages to the customer in the form of cost-benefits and added value to the investigation objectives through the discovery of additional evidence arising from the physical examination of the computer as well as the calibration of the time/date information stored within the BIOS.

IBAS has developed and maintains various forensic tools and utilities that are capable of being securely transported anywhere in the world. When necessary Ibas is able to deliver all phases of a forensic investigation while working on location. The Ibas methodology for computer forensic investigations ensures that the highest evidential standards are maintained as well as the security and confidentiality of all material relating to the investigation.

Covert Acquisition

COVERT INVESTIGATIONS frequently reveals compelling evidence while ensuring that the subject is denied any opportunity to destroy other evidence or alert conspirators. Such investigations have serious implications in terms of lawful authority and human rights.

IBAS HAS considerable experience in managing and delivering covert investigations so that they can be successfully completed in a legal and ethical manner.

Proactive Investigation

A PROACTIVE INVESTIGATION is the term used to describe an investigation that is conducted before, or during, the time that a crime is being committed. Human rights and rules of evidence are undeniably the most important factors in a proactive investigation. Ibas has the professional knowledge and experience required addressing the acquisition of evidence from a computer in such a manner.

Investigation Report

ONCE THE OBJECTIVES have been achieved we will prepare a full Investigation Report. This report will address the identification and continuity of the evidence, describe the procedures that we deployed together with a summary of the results; our observations, conclusion and, where appropriate, our recommendations. The report will include any relevant extracts referred to in the report that supports our analysis or conclusions.

IBAS ARE HAPPY TO PROVIDE a formal debrief session for the customer allowing an opportunity to clarify any procedure, facts, technology or other questions that may arise.

Expert Witness

EXPERT OPINION is frequently required to interpret or support the forensic evidence. As one of the world's leading authorities in the storage and recovery of data Ibas seamlessly provides access to a wealth of expertise that is second to none.

THE RESOLUTION of incidents frequently requires the preparation of formal witness statements, affidavits or exhibit bundles. Ibas' senior investigators have experience in various jurisdictions throughout Europe and Asia in the preparation of such evidence. Correctly and effectively presented evidence adds strength and value to any judicial case.

OUR EXPERT WITNESS SERVICES are provided as an integral extension to any investigation case.

Confidentiality

IBAS IS PROUD of its worldwide reputation for honesty and integrity. All information that is disclosed to us is subject to our own terms and conditions that include our standard procedures addressing confidentiality. We are happy to discuss and demonstrate these for our customers. If considered appropriate Ibas will discuss and agree a formal non-disclosure agreement (NDA) with you.

Additional Services

Incident Handling Consultancy

Ibas' computer forensic investigators have unparalleled experience in addressing the practical issues relating to incident handling. They have gained a depth and breadth of knowledge and understanding of the protocols that generates the requirement for industry to strategically address incident handling. In response to our customers' Ibas has developed a number of project based services that we can provide. Ibas is happy to discuss your needs and these services with you without further obligation.

Solutions
through Experience and Technology

NO
Head Office
Ibas AS
P. O. Box 1250
Arkoveien 14
2206 Kongsvinger
Tel: +47 62 81 01 00
Fax: +47 62 81 01 10
forensics@ibas.no
www.ibas.no

CH
Norman Data Defense Systems AG
Postfach | 4015 Basel
Tel: +41 61 487 25 00
Fax: +41 61 487 25 01
ibas@norman.ch
www.ibas.ch

DE
Ibas Deutschland GmbH
Albert-Einstein-Ring 8
22761 Hamburg
Tel: +49 40 89 06 17 0
Fax: +49 40 89 06 17 60
forensics@ibas-labs.de
www.ibas-labs.de

DK
Ibas Danmark ApS
Nordre Strandvej 119
3150 Hellebæk
Tel: +45 70 22 34 00
Fax: +45 70 22 34 01
forensics@ibas.dk
www.ibas.dk

ES
Sc cuadrado, S.L.
Sor Ángela de la Cruz, 37, 1, 1
28020 Madrid
Tel: +34 91 570 80 44
Fax: +34 91 570 47 98
ibas@scc.es
www.es.ibas.com

FI
Norman Ibas Oy
Läkkisepäntie 11
00620 Helsinki
Tel: +358 9 2727 210
Fax: +358 9 2727 2121
forensics@norman-ibas.fi
www.norman-ibas.fi

FR
Ibas France SAS
39 rue de Montlhéry, Silic 113
F-94513 Rungis Cedex
Tel: +33 (0) 1 56 30 36 20
Fax: +33 (0) 1 56 30 36 21
info@ibas.fr
www.ibas.fr

HK
DBTRONIX Asia Pacific Limited
9/F, Cyberport II,
100 Cyberport Road
Hong Kong
Tel: (852) 2155 8121
Fax: (852) 2156 0336
forensics@ibas.com.hk
www.ibas.com.hk

IT
Belfor Italia S.r.l.
Via Bruno Buozzi 23
20090 Segrate (Mi)
Tel: +39 02 2131 960
Fax: +39 02 2139 962
ibas@it.belfor.com
www.it.ibas.com

NL
Norman/SHARK B.V.
Diamantlaan 4A
2132 WV Hoofddorp
Tel: +31 23 563 3960
Fax: +31 23 561 3165
forensics@norman.nl
www.ibas.be

SE
Ibas Laboratories AB
Drottninggatan 7
753 10 Uppsala
Tel: +46 18 10 44 40
Fax: +46 18 69 31 30
forensics@ibas.se
www.ibas.se

SG
Ibas Singapore Pte Ltd
5001 Beach Road #08-14
Golden Mile Complex
Singapore 199588
Tel: +65 62965131
Fax: +65 62964393
forensics@ibas.com.sg
www.ibas.com.sg

TR
Intro Bilgi Sistemleri San. Tic. A.S.
Mahatma Gandi cad. 24/4,
06700 Gaziosmanpasa,
Ankara
Hotline: 800 314 6313
Tel: +90 (312) 447 25 14
Fax: +90 (312) 446 91 77
forensics@introsolutions.com
www.ibas.com.tr

UK
Ibas UK Ltd
Regus House
Victory Way, Admirals Park
Crossways, Dartford DA2 6QD
Tel: +44 (0)1322 303064
Fax: +44 (0)1322 303033
forensics@ibasuk.com
www.ibasuk.com

www.ibas.com

www.gandalf.as

ibas®

www.ibas.com

KONGSVINGER | STOCKHOLM | COPENHAGEN | HELSINKI
LONDON | HAMBURG | BERLIN | PARIS | SINGAPORE
AMSTERDAM | BASEL | MILAN | MADRID | ANKARA | HONG KONG
TORONTO | SANTA CLARA

DATA RECOVERY
DATA ERASURE
COMPUTER FORENSICS