

ABOUT THE PRINCIPAL, KEVIN V. BLUML, EnCE

He has been in the computer industry for many years. His programming experience ranges from microprocessors to minicomputers and up to Cray supercomputers. He has designed hardware interfaces and written diagnostic programs for a variety of peripheral devices including disk drives. He has been an investigator for over twenty-three years. He has been performing Computer Forensics investigations full time for over seventeen years.

With in excess of 2,500 drive examinations, hundreds of reports and conclusions, and both deposition and court testimony (qualified as an expert in both State and Federal courts), he is eminently qualified to handle your most complicated, sensitive or involved cases.

Kevin V. Bluml - President/Chief Examiner - Computer Forensics Consulting LLC - Eden Prairie, MN

Experienced, Trusted

To request a service quote or to obtain a copy of Mr. Bluml's CV, please email consulting@computerforensicsconsultingllc.com, visit www.computerforensicsconsultingllc.com or call:

952.454.6951

If your data is there, we will find it. We look at multiple levels with multiple tools.

Need a Data Recovery or Computer Forensics examination?

Stop using the computer or device!

Shut it down or turn it off to prevent any changes to the data or to help with the recovery. Continued use could make data unrecoverable or severely impact later analysis. Secure device and document the date and time.

If you suspect current activity could be damaging or erasing data - unplug the computer or device immediately. Don't wait for a normal shutdown - it may be too late.

Call Computer Forensics Consulting for help.



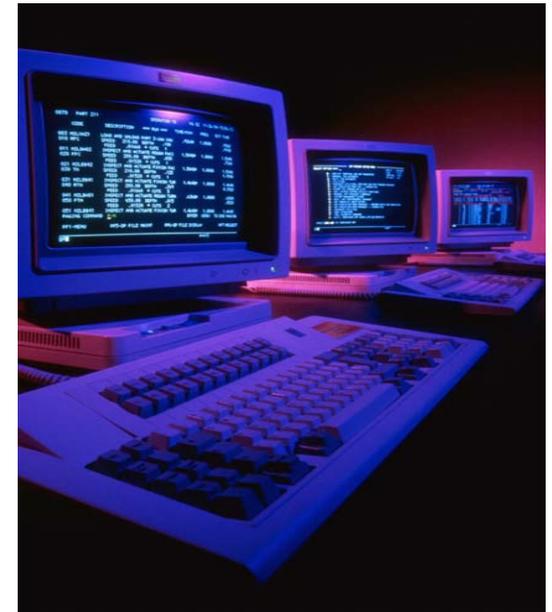
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Data Recovery and Computer Forensics Services



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Data Recovery

There are many reasons to need a data recovery service:

- Inadvertently or intentionally deleted files
- Hardware malfunctions
- Errors occurring during routine or emergency maintenance
- Physical or logical errors related to media or electronic failures
- Formatting devices and/or reinstalling software in an attempt to correct system errors
- Damage caused by malware, viruses, failed system upgrades, software or hardware failures
- Electrical failures caused by power problems, surges, lightning, static discharges
- Backup system failures on restore attempts
- Power failures
- Blue Screen of Death (BSOD) a.k.a. Windows Stop errors
- Accidents, floods, fires, and other disasters

Data Recovery can range from a simple undelete of a single file to a complex recovery of a formatted hard drive that has then had a new Operating System installed on it.

Data recovery can also entail recovery of data from email programs such as Outlook, Outlook Express, Lotus Notes or a variety of Web based email programs.

Damage caused by physical media or electrical failure may require specialized repair techniques or processes, including access to a class-100 clean room.

Computer Forensics

The Computer Forensics field is coming of age – the courts are far more accepting of electronic data than they were even just five years ago. Recent Federal Civil discovery rules have helped to firm up what the courts are willing to do when dealing with Electronic Data. (See FRCP Rule 26 – revised 12/1/2006)

Examples of Computer Forensics focus areas:

- **Recovering deleted data – from simple deletes to involved attempts at hiding/removing data**
 - Even after reformatting a disk and reinstalling the Operating System (OS), much data is still recoverable.
- **Determining when something happened or didn't happen – what exactly do all of those times and dates really mean?**
 - Time and date information often needs expert interpretation – too many things can impact what affects the values being presented to take them at face value without expert analysis
- **Email analysis and recovery – did your client's critical data just get sent to a competitor?**
 - Some email programs store data in multiple locations, knowing where to look can be critical
 - Deleted email is recoverable from some applications, not from others

- Searching email and attachments can be quite involved and time consuming
- Web based email is commonly used in attempts to avoid detection in a corporate environment. Knowing what to look for and where to find it are critical skills
- **Determining if data just walked out with the departing employee, spouse, or friend.**
 - Removable devices are ubiquitous and ever increasing in capacity. Virtually all of a small business's important data can be literally in someone's pocket when they walk out the door.
 - CDs and DVDs are much easier to use and writers are now common on most computers in use today.
- **Explaining it all to a judge or jury**
 - This is a unique skill that takes experience, knowledge, time, expertise and creativity to make it understandable.
 - Something seemingly as simple as the clock on the computer and whether it is or was accurate or had been changed can make or break a case.
 - What is the significance of the timing of the removable device being attached to the computer (and how do you know it was done) with the times and dates of the critical files?