



# Improving Business IT Resilience

## Closing Safety Gaps

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### Problems Needing To Be Solved

“Just because the tiger hasn't bitten you doesn't mean that it won't. And when it does it'll hurt.”

- 1: The 'standard' IT safety approach is clearly inadequate, as shown by the continuing growth in ransomware outbreaks in business IT systems. Copious evidence shows that even when its recommendations and techniques are fully implemented they're relatively easy to bypass.
- 2: Businesses generally aren't aware of the likely actual costs of a malware outbreak before one happens. Following which it's often too late, since many businesses don't survive one.
- 3: For a malware outbreak, insurance is at best a partial solution because there are significant (usually large) unrecoverable costs generated by disruption of business processes.
- 4: 'Standard' anti-malware software always has an exploitable safety gap, because it's reactive. Meaning that it has to have information about a piece of malware in order to detect its presence. Thus it can't detect unknown malware.
- 5: 'Standard' backups always have a safety gap because they don't contain the complete state of a business's IT system. In particular the state immediately prior to a malware outbreak.
- 6: Another safety gap results from MS-Windows hiding extensions when displaying file names to users, by default. Malware creators continue to exploit it.
- 7: MS-Windows continues to lack an extremely effective safety mechanism called MAC (Mandatory Access Control). Windows' MIC isn't MAC, nor anywhere close to MAC.

You now have a clear view of the continuing serious safety risks. **Are you happy to remain seriously vulnerable?** If not then you need our innovative solutions, and to contact us about them urgently. Contact details and further information are on our website.

### Optimum Solutions

Optimum solutions obviously have to involve moving outside the 'standard box'.

### Optimum Implementations

Our implementations are described in some of our other documents. If those aren't accompanying this document, you can find the key ones at these URLs :

Computer Desktop Fallback : <https://iopen.co.nz/docs/desktop-fallback.pdf>

Malware Defeating File Sharer : <https://iopen.co.nz/docs/mdfs-client-experience.pdf>

There's considerable further detail on our website.

### Our Motivation For Producing This

We want businesses to achieve better outcomes, regardless of whether we're directly involved in making them happen. Such outcomes can produce effects that benefit many, including ourselves.