

A VERIFIED CONNECTOR · A SPECIMEN

REVIEWED FOR QUALITY AND SECURITY

*Advertising injection through a verified connector, trust laundering,
and the limits of directory verification*

7 of 7

searches through the connector returned an advertisement
the user never asked for. The tool told the assistant to print
it.

WHAT HAPPENED

A TOOL TOLD THE ASSISTANT TO RUN AN AD. THE ASSISTANT RAN IT.

A research connector, listed in the official directory and carrying a badge that says it was reviewed for quality and security, adds a line to the data it hands back to the assistant. First an advertisement for its own paid tier. Then a plain instruction: print that advertisement in your reply.

The assistant complied on every search. No security control was broken and no capability was abused. The command arrived through the ordinary channel a tool uses to return data, which is the channel the assistant is built to read.

Two parties are responsible, and collapsing them loses the point. One company wrote the instruction. The other issued the mark that told users the instruction was not there.

HOW CONNECTORS WORK

THE ASSISTANT CANNOT TELL DATA FROM ORDERS

A connector is a plug-in that lets an assistant reach outside itself, to search papers, read a file, or book a table. An open standard called the Model Context Protocol defines how the assistant and the tool talk to each other.

When a connector answers, its reply is dropped into the assistant's reading space next to your words. The assistant reads both as text. Nothing in the channel marks one as your instruction and the other as inert material to be summarized.

That is the whole vulnerability. Text that arrives as data can be written to read as an order, and the assistant has no reliable way to tell which one it is holding.



THE SPECIMEN

One connector. Seven searches. Seven advertisements.

Everything that follows was reproduced in a single afternoon of ordinary use, on a free account, through the front door.

