

## Contact

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hanknussbacher (LinkedIn)

www.interall.co.il (Company)

## Top Skills

BGP

Cisco IOS

Internet Security

## Languages

Hebrew

English

## Publications

Internet 2 takes to the Air

Lessons Learned from a MAN

PGMLISH or r u there?

Fighting Internet Diseases: DDoS, Worms and Miscreants

CIDR Police - Please Pull Over and Show Us Your BGP Announcements

## Patents

Selective diversion and injection of communication traffic

# Hank Nussbacher

Director of Infrastructure

Israel

## Summary

Director of Infrastructure responsible for network design, NOC team, CERT team, cloud team.

Specialties: BGP, routing design, anti-spam, anti-DDOS, threat analysis, Internet security, Cisco IOS, Internet performance.

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## Experience

Israel Internet Association (ISOC-IL)

Special advisor for technological and international affairs

April 2021 - Present (4 months)

Israel

Advisor in the realm of RIPE, IETF, IANA, ISOC, IGF as well as creation of new IL-NOG WG.

IUCC - Inter-University Computation Center

Director Of Infrastructure

April 1987 - Present (34 years 4 months)

Responsible for researching and drafting a 3 year work plan (1987-1989) for converting the entire Israeli university network to TCP/IP. Brought first Internet connection to Israel. Responsible for purchasing telecommunications equipment and high speed leased lines on a nationwide and international basis and for managing the resulting distributed network. Advised Israel on various international matters relating to the proper functioning of the network. Purchased the first Cisco routers in Israel as well as managed that nation-wide Cisco based network since 1988 and responsible for the technical aspects of Internet-2 connectivity. Member of Israeli academic CERT team. Author of RFC1555 and RFC1556.

iFOREX

Consultant

November 2007 - February 2009 (1 year 4 months)

Performance and networking design consultant

## Checkpoint Systems

Routing Consultant

January 2007 - December 2007 (1 year)

Internet routing consultant to Checkpoint

## IPplanet

Internet Abuse Consultant

August 2005 - May 2007 (1 year 10 months)

Handling all spam and abuse complaints on behalf of IPplanet which has been bought out by Gilat Satcom.

## StageOne Ventures

Consultant for due diligence

December 2003 - February 2005 (1 year 3 months)

Provide technical due diligence for venture capital company

## AT&T

Consultant

January 1995 - January 2005 (10 years 1 month)

Responsible for the design and implementation of a complete Internet service to customers (leased line, Web hosting, dial-up and security). Work included equipment purchase and integration, employee recruitment and training, design of new and unique Internet technical solutions, marketing analysis as well as day to day management of the technical staff as well as Cisco router configuration.

## Gilat Satcom

Anti-spam consultant

January 2004 - September 2004 (9 months)

Handled all spam and abuse complaints on behalf of Gilat Satcom.

## Sonario

Routing Consultant

January 2004 - April 2004 (4 months)

Routing and technical consulting to startup.

## Riverhead Networks

Consultant

January 2001 - March 2004 (3 years 3 months)

High-level consulting for startup in the area of distributed denial of service attacks and prevention. Designed Cisco IOS diversion technique. Co-wrote patent on diversion. Made presentations at conferences. Created marketing and sales opportunities within the ISP arena.

Bought out by Cisco - March 31, 2004 for \$43M.

Check Point Software Technologies, Ltd.

Consultant

January 2003 - February 2003 (2 months)

Provided course for Checkpoint developers on Internet routing and attack vectors

Motorola/Mirs

Consultant

August 2001 - January 2002 (6 months)

Assisted Mirs in obtaining IP address and an ASN from RIPE in Europe

orange/partner

Consultant

July 2000 - June 2001 (1 year)

IP address allocation for GPRS network rollout; security penetration analysis

Comverse

Consultant

February 2000 - May 2000 (4 months)

BGP and multi-homing consulting

Ministry of Finance

Consultant

January 1998 - December 1998 (1 year)

Design of government IP network; design of BGP policy and IP address allocations for Israeli government network; security penetration analysis of Israeli government sites

Weizmann Institute of Science

Visiting Scientist

November 1982 - July 1986 (3 years 9 months)

City University of New York (CUNY/UCC)

## VM Systems Programmer

January 1980 - September 1982 (2 years 9 months)

Junior VM systems programmers. In addition, connected all 18 campuses in the greater NY area together via an IBM RSCS network that became Bitnet when I connected up with Yale as the first Bitnet connection (May 1981). Built up Bitnet to 16 universities, including University of California at Berkeley before moving to Israel in October 1982.

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## Education

### Baruch College

BBA, Statistics, Computer Science · (1978 - 1980)