IT Infrastructure Branch

• Providing WIS Scientists on-premises state-of-the-art technology and Infrastructure

• Work proactively and collaborate with our customers to define the needs and deploy the technology needed for their research

• Provide a superior and wide Infrastructure services delighting our customer for service and excellence
## IT Infrastructure Branch

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Accounts and Access

- Weizmann Universal User ID
- Strong Authentication using:
  - RSA SecurID Token (Soft/Hard)
  - SMS to your Mobile phone
- Weizmann User Certificate
Networking

• Weizmann Campus Network
• Wireless Networks
  • WIS_Secure
  • WIS_Hotspot
  • Eduroam
• ISP ADSL (Bezeq Int.)
• Remote Access (VPN)
  • SVPN
  • EVPN
• WIS Home Office
Email and Calendar

- Microsoft Exchange On-Prem & Online (Microsoft 365)
  - Supports Apple Mail, Outlook, Safari, IE, iOS, Android  outlook.weizmann.ac.il
- 100GB Mailbox
- Anti-Spam, Spam Quarantine, Anti-Virus
- WIS Address Book
  - Desk phone and Mobile numbers, Department/Building/Room location
- WIS Calendar
  - All Weizmann events, holidays
Telephony

- Weizmann Campus IP Telephony & Analog Lines (Bezeq)
- Cellular (Pelephone)
- Video Conference rooms
- x6464 – Phonetic phone number recognition
- Dialing from external, use 08-934 plus <4 digits ext.>
- Zoom – Desktop Sharing & Videoconference on the go
- Jabber – Soft Phone & Chat
- Lecture Recording & Publishing
Storage and Backup

- **StorWIS** - raw-data storage, unlimited capacity, big data, anti-virus built-in, optional tape backup, inter-group collaboration
- **Box / Dropbox** - Sync, Document management, **collaboration**, unlimited capacity
- **OneDrive** – 1TB Weizmann internal sharing only
- **CTERA** - provide a comprehensive solution for file backup and recovery on Institute user workstations
- **LabArchives** – provides Electronic LAB Notebook
High Performance Computing

- **WEXAC HPC**
  - Thousands of CPUs, Hi-Memory machines
  - High-throughput and High Capacity storage
  - 200+ built-in scientific applications
  - nVidia DGX-1

- **WAIC (Weizmann AI Center)**
  - nVidia DGX-1 / RTX 8000 / RTX 6000 / RTX 2080 TI
  - nVidia GPU Cloud (NGC) (Certified & Accelerated App framework)

- **AWS Cloud Platform**
  - Simplified Enrollment / Billing
  - Resource & Spending Mgt (Quota)
  - Security Framework
  - Job Submittal / Data Copy HPCTool
  - On-Boarding

- **StorWEX / Archive**
  - Parallel FS for increased HPC performance
  - Integrated Archive solution
  - Tiered PAYG cost model
Servers and Data Center Hosting

• Managed Servers Infrastructure
  • VMWARE (Virtual servers)
  • Internet facing or internal
  • Fast deployment
  • Add more CPUs, memory, storage – same day
  • Multiple snapshots
  • High availability – no hardware single point of failure
  • Server management
  • Linux and Windows Professional Services

• Tier-3 Physical Data Center hosting
  • Secured
  • Power-redundancy
  • air/water-cooled
  • controlled temperature and humidity
  • fire detection
  • water intrusion sensors
Information Security

• Anti-Virus – to your desktop, laptop
• Anti-Spam – built in with Exchange
• Data-Sensitivity consulting – where should I put my data?
• Cloud Data Classification
• Security Plans for Clinical Data (with WIS DPO)
• Blocking phishing attempts
• NextGen Cyber Infrastructure
PC Hardware & Software

• Hardware
  • Buying with Weizmann funds?
    • Enjoy our partnerships with Apple and Lenovo
  • Bring your own device
    • We’ll help you connect it to the network

• Software and applications
  • Licensing
    • Microsoft products for students is free
    • Matlab TAH
  • Shop
  • Distribution
  • Support

https://www.weizmann.ac.il/WIT/software-licenses
Service Catalog

- Internal Services Portal
- Service registration

IT.weizmann.ac.il
IT Service Desk & Classes

**Service Desk**

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- 4444
- 08-934-4444

**Training Programs**
- Getting Started, Courses
- De-Picciotto Room 232

helpdesk@weizmann.ac.il
http://www.weizmann.ac.il/WIT/
Thank you!