

LIST OF IRANIAN CYBER OPERATIONS

- **2011-2017** – **social media influence** operation aimed at U.S. and global audiences
- **2012-2014, Operation Cleaver** – global cyber surveillance and **infiltration** campaign
- **December 2011-May 2013, Operation Ababil** – **distributed denial of service attacks** against the U.S. financial system
- **August 2012, Shamoan** – destructive wiper **malware attack** against Saudi Aramco
- **August-September 2013** – infiltration of the Bowman Avenue Dam in Rye, New York
- **2013-December 2017** – intrusions and **data theft** against 176 U.S. and foreign universities, 47 U.S. and foreign private companies, and U.S. federal and state agencies
- **2013-2014, Operation Saffron Rose** – **malware**-based cyber espionage against Iranian dissidents and U.S. defense industrial base
- **February 2014** – attack against Las Vegas Sands Corporation
- **2014-2015, Thamar Reservoir** – cyber espionage and infiltration against Middle Eastern university researchers, defense and security companies, journalists, and human rights activists
- **2016-2017** – APT33 cyber infiltration and **trade secret theft** against a U.S. aerospace company, Saudi aviation conglomerates, and a South Korean petrochemical company
- **2016-2018** – APT OilRig global cyber espionage and **data exfiltration**
- **November 2016-January 2017, Shamoan 2** – destructive **malware** against Saudi government ministries and companies
- **May 2017** – data theft and **extortion** against HBO
- **2017-2018** – **APT Leafminer** cyber infiltration against governments and businesses in the Middle East