



LEBANON

Cloud Computing

Lebanon Customs opted for a private cloud computing solution to host ASYCUDAWorld and related applications

Situation

A 24/7 availability of ASYCUDAWorld is a main concern of Lebanese Customs. The data centre hosting it was outdated and there were risks of failure of Customs servers. The costs linked to the data centre for electricity, cooling and hardware maintenance were very high.

Solution

Lebanese Customs fully implemented private cloud computing inside the Customs premises without hiring any cloud provider. It was implemented over two data centres and allows for:

- Ease of creating new demilitarized zones for increased security
- Automatic relocation of any server without any human intervention
- Reduction of power consumption, cooling expenditure and maintenance cost
- Ease of allocation of resources (e.g. CPU, memory, storage, network)
- Protection from any unpredicted failure (e.g. power supply, server crash, network problems).

Result

The 2020 Beirut blast caused Lebanese Customs to lose half of its IT power, and archive of critical hard copy documents (manifests, declarations). Thanks to the blast-tolerant private Customs cloud, ASYCUDAWorld and electronic services kept running. Customs did not lose any data or transaction, and no servers needed to be recreated or reconfigured. Lebanese Customs was also able to retrieve its lost documents from ASYCUDAWorld. The **system** is expediting imports of humanitarian goods into the country and helping Customs authorities better manage increased incoming relief consignments.

350+

Containers were processed through ASYCUDAWorld in the Beirut port the day after the explosion



ASYCUDA system is providing timely and reliable support to ensure seamless humanitarian and recovery activities despite the difficult circumstances on the ground.

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Shamika Sirimanne, UNCTAD's Director of Division on Technology and Logistics

Partners:



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Total Number of Customs Offices

24



24 Computerized



0 Paper-based

Volume of Activity

(2019)



228,925

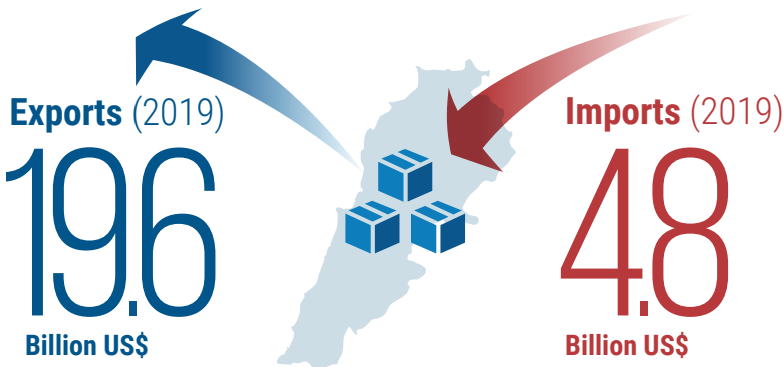
Import Declarations



68,713

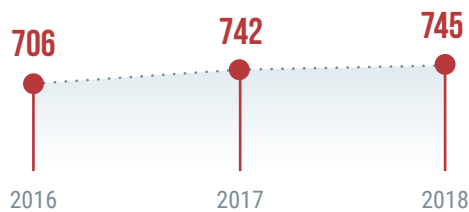
Export Declarations

Source: WCO Annual Report 2019–2020.



Source: UNCTADstat.

Customs annual revenue evolution (Billion Lebanese pound)



Lead time to export 🕒



Source: World Bank Collection of development indicators.