Extraordinary IT interventions for Coronavirus emergency

Central Department for Information Technology (DCIT)



Summary

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- Infrastructure & Software Tools
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Context and Objectives



In order to counteract and contain the spread of the Coronavirus, and in accordance with the provisions of the Prime Ministerial Decree of 8 March 2020 (and subsequent), Public Administrations ensure the ordinary performance of their employees in an agile manner.

The phenomenon of Coronavirus or Covid-19 propagation on a global level has pushed companies all over the world, and particularly in Italy, to activate their Smart Working and Business Continuity plans to ensure the provision of essential services on a medium-long term scale.

A transformation that requires an **investment in people, management culture** and **technology** to be used for:

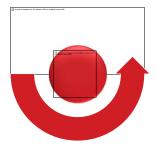
- Enabling remote working, both in terms of smart collaboration and operations on company systems
- Ensuring the highest levels of productivity and quality of work by managing in advance both phenomena of lack of familiarity with new technologies and negative impacts on engagement levels and individual alienation phenomena



Key factors to ensure business continuity

QUICKLY ENABLE REMOTE WORKING FROM HOME IN A SAFE, EFFECTIVE AND INTEGRATED WAY

TECHNOLOGY



Infrastructure management and **technological solutions** to fully and safely use **company resources** and **collaboration tools**

VIRTUAL WORKPLACE



Redefine processes and working methods in a fully digital perspective, favoring remote work, planning activities and asking for continuous feedback

CULTURE

Supporting managerial styles and behaviors aimed at ensuring people's engagement and adaptation of their behavioral patterns to the remote working routine finding the right balance between personal and work needs

GOVERNANCE

Manage organizational and administrative aspects and **support the adoption of new ways of working** day by day also by monitoring the use of the available tools





ISTAT Approach

In this emergency context, the Institute has made every effort to allow the highest use in the shortest possible time of the agile work method for activities that can be carried out remotely at home.

In order to support the adoption of agile work extended to all staff, ISTAT made an extraordinary effort in 10 days. This process required to advance **approximately €2.5 million** been planned for IT purchases in the three-year period 2020 – 2022 due to current emergency situation.





Upgrading technological infrastructure

Acquisition and commissioning of software tools



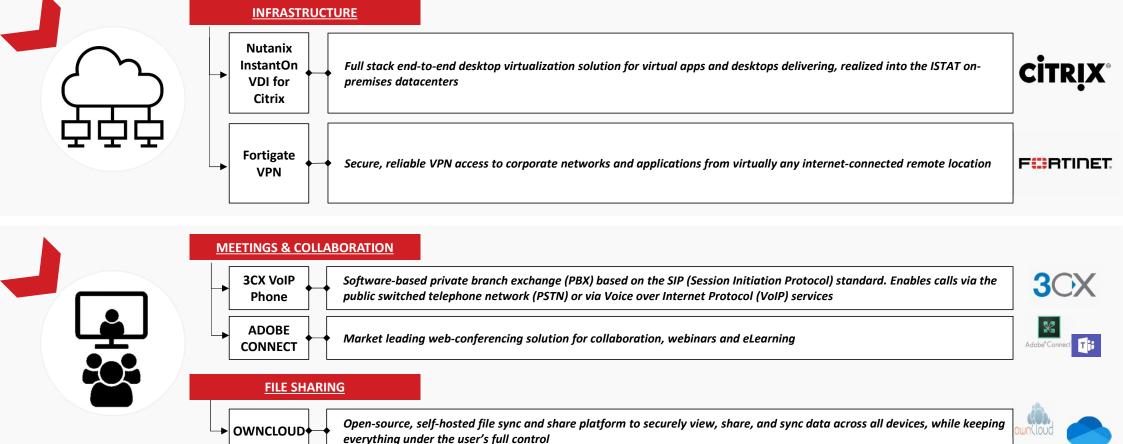


Support to users through different channels





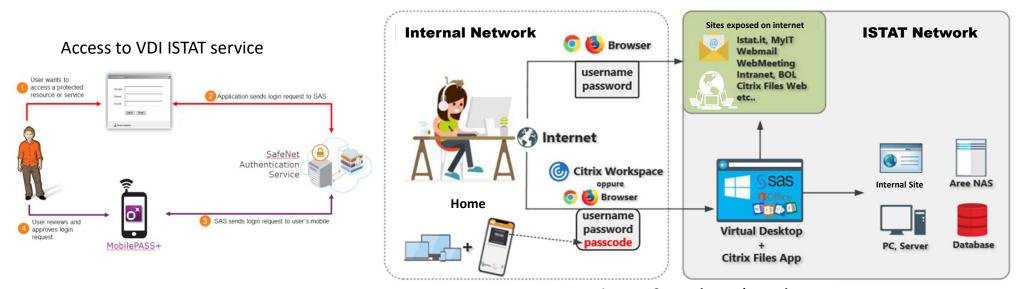
Infrastructure & Software Tools





Infrastructure & Software Tools – Focus VDI

Security is ensured by robust **encryption mechanisms** and through **two-factor authentication** with OTP. Using the VDI the user can **reach the internal network, from the outside,** and **the same resources** that are usually **accessible from the office workstation**.



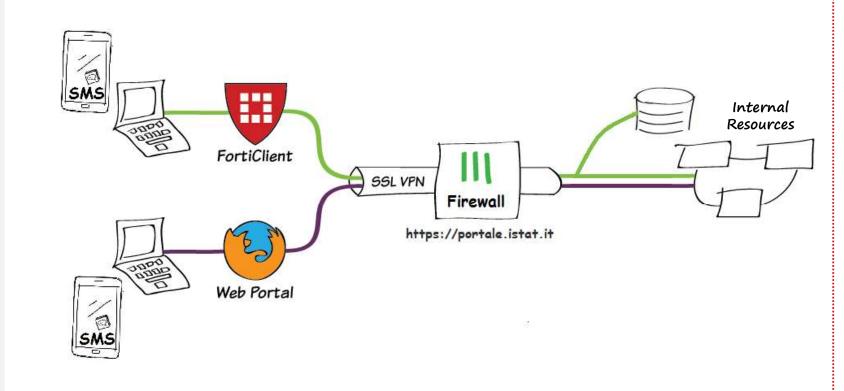




Infrastructure & Software Tools – Focus VPN

Smartphone or home PC "virtually" connects to ISTAT's private network in two way:

- 1. WEB PORTAL: easy to use via browser, allows access to the private network websites.
- **2. CLIENT VPN**: requires software installation, allows access to all types of services.







What has been done 1/2

Upgrading technological infrastructure (HW/SW)



+ 1.760



+ 53 TB



WORKSPACE



+ 600





+ 1900

3CXPHONE USERS





What has been done 2/2

Acquisition and commissioning of software tools

Use of Web meetings

March 9 – 24

*compared to 24 Feb – 8 Mar

Meetings

1.745

+ 1.514*

Hours

1.656

+ 1.424*

Partecipants

8.669

+ 7.583*

Network traffic consumption

*compared to 20-29 Jan

Public Network average

da 270* a 400

Mbits/s

With peaks of 800 Mbits/s

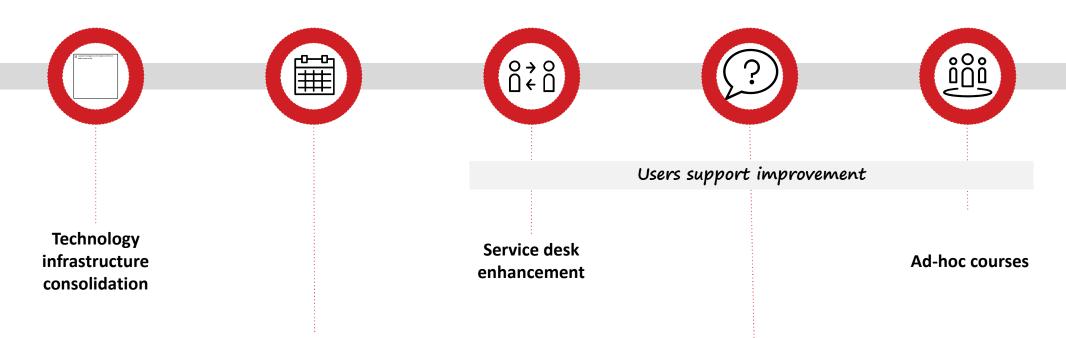
Private Network average

da 200* a 440

Mbits/s



Next steps



Testing of additional tools for collaboration and agile work support

New guide lines and frequently asked questions (FAQ)

