

004.056.53

DOI: 10.18413/2518-1092-2021-6-3-0-2

. .  
. .

, . , .33, . , 299053,

*e-mail: egor2014ru@mail.ru, mashechka-81@mail.ru*

// . - .6, 3, 2021. - . 11-19.  
DOI: 10.18413/2518-1092-2021-6-3-0-2

**Kuzminykh E.S.**  
**Maslova M.A.**

## **METHODS OF REMOTE WORK AND WAYS TO PROTECT IT**

Sevastopol state University, 33 Universitetskaya St., Sevastopol, 299053, Russia

*e-mail: egor2014ru@mail.ru, mashechka-81@mail.ru*

### **Abstract**

The topic of remote work with the arrival of the pandemic was an unusual way of working for many companies and organizations, but as time goes on, it continues to become more and more relevant and even becomes more convenient and applicable for different fields of activity. This form of organization of work has brought many innovations both in the work and in the organization of the protection of processed and transmitted information in the process of work.

Both ordinary workers and managers faced a lot of problems, but also acquired a lot of positive moments. We will analyze the negative and positive aspects of "remote work" and methods of protecting the processed information in this process.

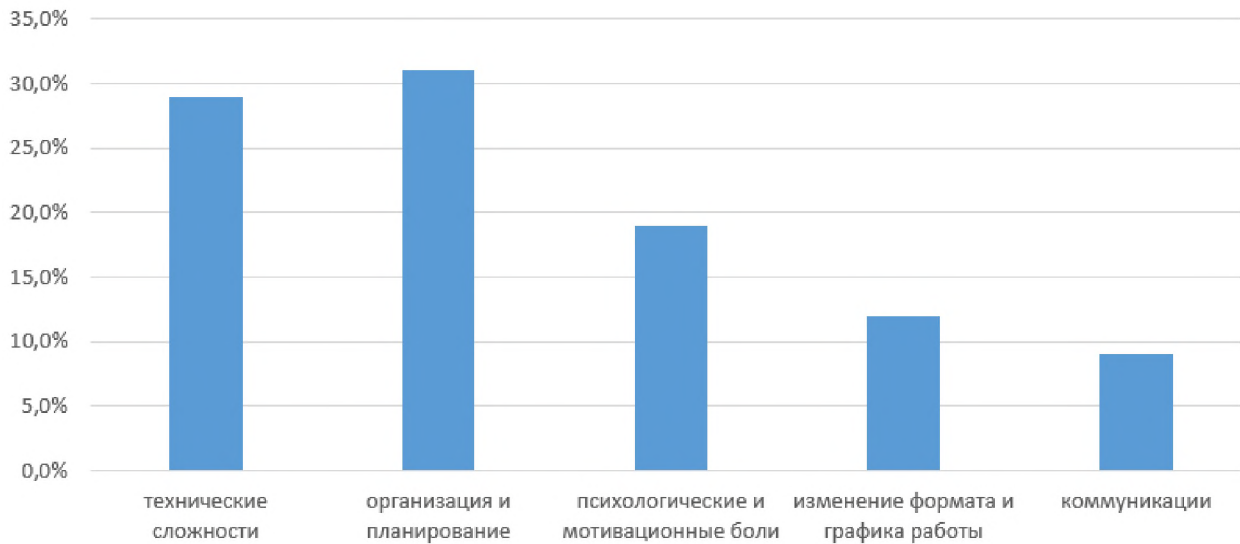
**Keywords:** remote work, pandemic, control, security, monetary costs, risks, vulnerabilities.

**For citation:** Kuzminykh E.S., Maslova M.A. Methods of remote work and ways to protect IT // Research result. Information technologies. - .6, 3, 2021. - P. 11-19. DOI: 10.18413/2518-1092-2021-6-3-0-2

80%),

[10, 12].

(.1) [8, 3].

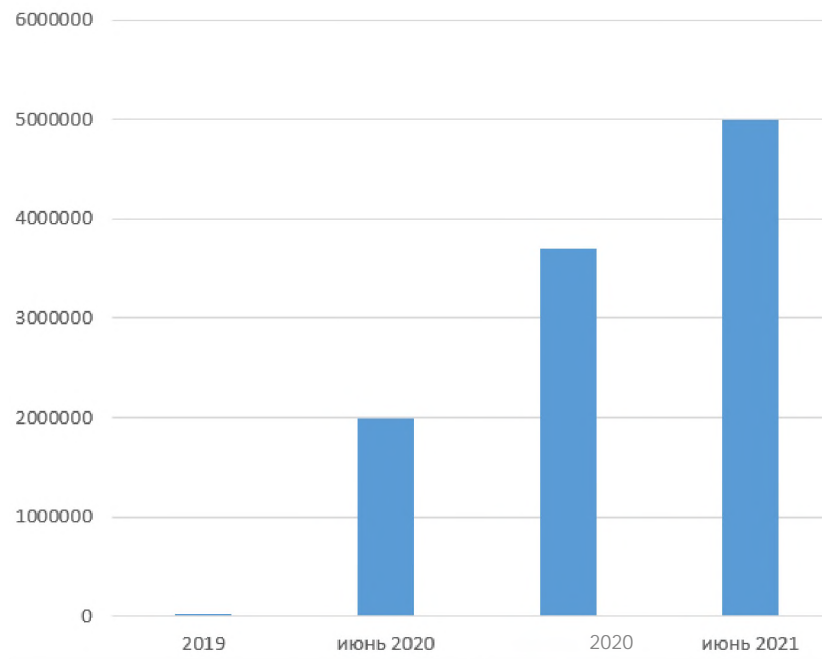


. 1.

Fig. 1. Key difficulties of remote work

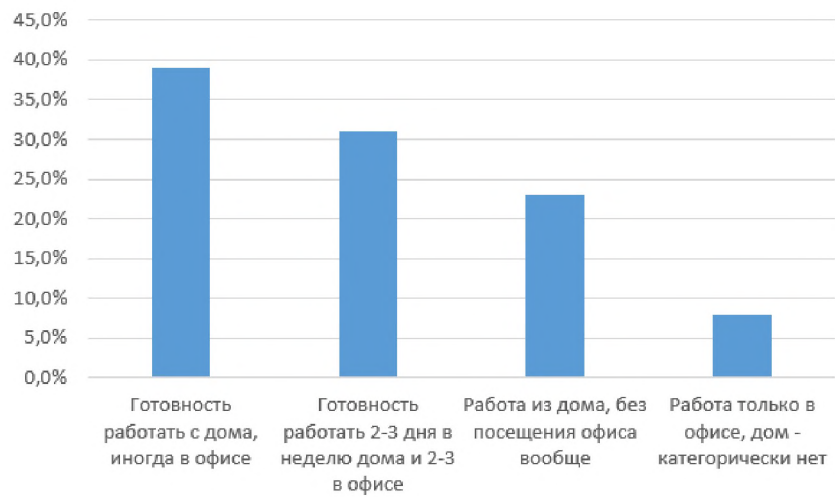
2020 ( 2020 . - 370000 ), 2019 (30000 .) , 2020 . ( 2020 - 200000 .), 2021

110 5 . ( . 2) [5].



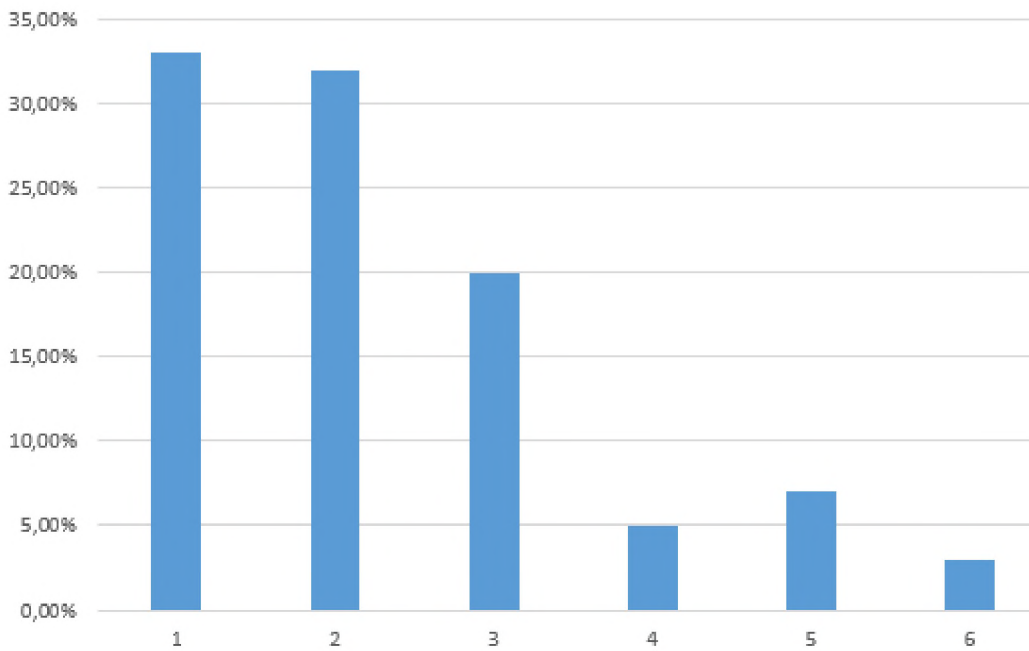
. 2.  
Fig. 2. The number of people working remotely

88% , 12% ,  
: - 35%, - 30%,  
- 50%, - 42%,  
- 78%, - 49%,  
- 49 %, - 36%,  
- 33%.  
;  
;  
;  
( ),  
, 70%  
( .3):



. 3.  
Fig. 3. Work in the office and at home

( . 4): 1 - , 2 - , 3 - , 4 - , 5 - , 6 -



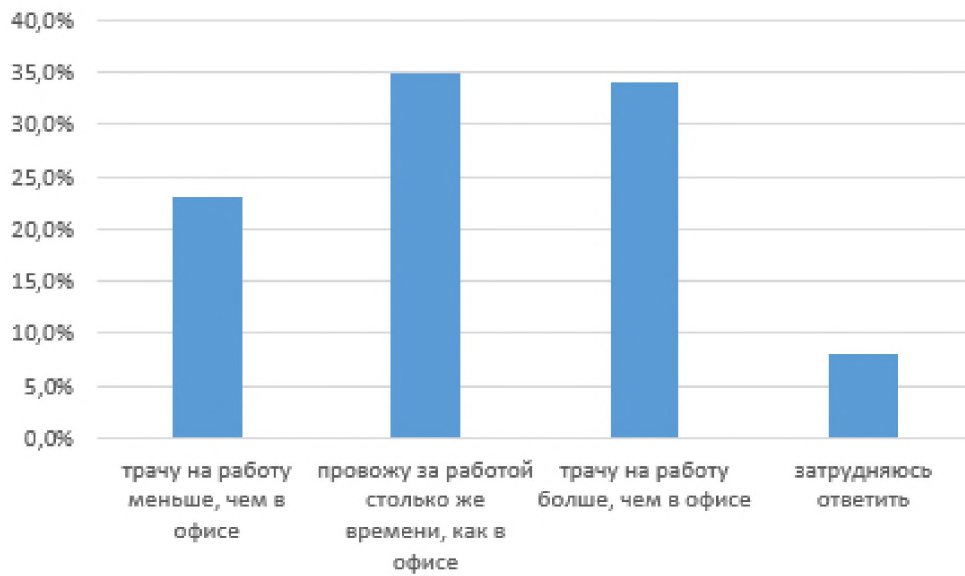
. 4.  
Fig. 4. Skills learned during the pandemic

1: ( . 5).



5.  
Fig. 5. The place of residence of people working remotely

2: «...», (6).



6.  
Fig. 6. Time spent on remote work

3: «...», - , - :  
- 49%;  
- 29%;  
- 21%.

4-6

[11].

( . 7):



. 7.

Fig. 7. Positive and negative aspects of remote work

),  
VPN.

VPN

IT

VPN

IT

IT

Bring Your Own Device —  
IT,

[2].

[7, 6, 9].

DLP ;

IT

[1, 4].

1. . . . . // . . . . . 2020. . 5. 2. . 54-60. DOI: 10.18413/2518-1092-2020-5-2-0-8.
2. . . . . // . . . . . 4(35), 2014, . 40-46.
3. . . . . // . . . . . / . 1/2, 2020 . . 32-43.
4. . . . . // . . . . . : 2009, . 235-238.
5. . . . . // . . . . . 110 , 2020 . // <https://iz.ru/1091278/maksim-khodykin/> ( : 10.06.2021).
6. . . . . , 2020 . URL: <https://www.anti-malware.ru/practice/solutions/How-to-organize-secure-remote-work-during-quarantine> ( : 15.06.2021).
7. . . . . , 2020 . URL: <https://www.anti-malware.ru/practice/solutions/identify-insider-in-remote-branch> ( : 12.06.2021).
8. . . . . // <https://tadviser.ru/index.php/> ( : 10.06.2021).
9. . . . . , 2020 . URL: [https://www.anti-malware.ru/analytics/Technology\\_Analysis/Data-Leak-Prevention-during-covid19-quarantine](https://www.anti-malware.ru/analytics/Technology_Analysis/Data-Leak-Prevention-during-covid19-quarantine) ( : 12.06.2021).
10. . . . . , 2020 . URL: [https://www.anti-malware.ru/analytics/Technology\\_Analysis/Remote-work-for-long-time](https://www.anti-malware.ru/analytics/Technology_Analysis/Remote-work-for-long-time) ( : 10.06.2021).



11. [https://habr.com/ru/company/habr\\_career/blog/330076/](https://habr.com/ru/company/habr_career/blog/330076/) ( : 12.06.2021).  
16 2020 . URL: <https://vc.ru/hr/129692-16-faktov-ob-udalennyoy-rabote-v-2020-godu>.

### References

1. Maslova M.A., Lagutkina T.V. Analysis and identification of positive and negative aspects of distance learning implementation // Research result. Information technologies. 2020. T. 5. 2. P. 54-60.
2. Orlov V.B., Buranshina E.I. Remote work as a new reality of labor relations: Analysis of the factors of predisposition to remote work // Bulletin of the Ugra State University, 4(35), 2014, S.40-46.
3. Fedorova N.V., Minchenkova O.YU., Makeeva V.G. Features of the work of managers in the conditions of transferring employees to a remote form of work // Science and art of management / Bulletin of the Institute of Economics, Management and Law of the Russian State University for the Humanities. 1/2, 2020. P. 32-43.
4. Shamsedinov A.D. Analysis of the principles of remote work of a virtual organization // Bulletin of the University. M.: 2009, P. 235-238.
5. Home workers: the number of Russians working remotely has grown 110 times over the year, 2020. // <https://iz.ru/1091278/maksim-khodykin/> (data access: 10.06.2021).
6. How to organize safe remote work during quarantine, 2020 g. URL: <https://www.anti-malware.ru/practice/solutions/How-to-organize-secure-remote-work-during-quarantine> (data access: 15.06.2021).
7. Case from practice: identification of an insider in the sales department of a remote branch, 2020. URL: <https://www.anti-malware.ru/practice/solutions/identify-insider-in-remote-branch> (data access: 12.06.2021).
8. Remote work in government agencies and TARM officials // <https://tadviser.ru/index.php/> (data access: 10.06.2021).
9. Lessons from remote work: how data leak protection adapted during the quarantine period, 2020. URL: [https://www.anti-malware.ru/analytics/Technology\\_Analysis/Data-Leak-Prevention-during-covid19-quarantine](https://www.anti-malware.ru/analytics/Technology_Analysis/Data-Leak-Prevention-during-covid19-quarantine) (data access: 12.06.2021).
10. Remote work is for a long time, 2020. URL: [https://www.anti-malware.ru/analytics/Technology\\_Analysis/Remote-work-for-long-time](https://www.anti-malware.ru/analytics/Technology_Analysis/Remote-work-for-long-time) (data access: 10.06.2021).
11. Remote work in numbers and diagrams, 2017. [https://habr.com/ru/company/habr\\_career/blog/330076/](https://habr.com/ru/company/habr_career/blog/330076/) (data access: 12.06.2021).
12. 16 facts about telecommuting in 2020. URL: <https://vc.ru/hr/129692-16-faktov-ob-udalennyoy-rabote-v-2020-godu>.

**Kuzminykh Yegor Sergeevich**, First-year Student of the Department Information security, Institute of Radioelectronics and Information security

**Maslova Maria Alexandrovna**, Senior Lecturer of the Department Information security, Institute of Radioelectronics and Information security