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| Private addresses | |
| Firewall – Core 1 | 10.0.1.0/30 |
| Firewall – Core 2 | 10.0.2.0/30 |
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| Core 1 – MLS SF (1,2) | 10.0.10.0/28 |
| Core 2 – MLS SF (1,2) | 10.0.20.0/28 |
| MLS SF (1,2)- Serveri u serverskoj farmi | 10.100.0.0/24 |
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| Core 1 – DL2/1,2 | 10.0.30.0/28 |
| Core 2 – DL2/1,2 | 10.0.40.0/28 |
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| Core 1 – DL3/1,2 | 10.0.50.0/28 |
| Core 2 – DL3/1,2 | 10.0.60.0/28 |
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| Core 1 – DL1/1,2 | 10.0.0.16/28 |
| Core 2 – DL1/1,2 | 10.0.0.32/28 |
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| DL1/1,2 – Ground (Administration) | 10.1.0.0/16 |
| DL1/1,2 – First floor (Administration) | 10.2.0.0/16 |
| DL1/1,2 – Second floor (Administration) | 10.3.0.0/16 |
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| DL2/1,2 – Ground (Production plant) | 10.4.0.0/16 |
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| DL3/1,2 – Ground (Warehouse) | 10.5.0.0/16 |

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| Public addresses | |
| Ruter 1 – Firewall | 20.20.1.0/30 |
| Ruter 2 – Firewall | 20.20.2.0/30 |
| Firewall – MLS-ovi prema javnim serverima i javni serveri | 20.20.3.0/16 |

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| Administration Building VLANS | |
| Ground | |
| VLAN Wifi1 | 10.1.1.0/24 |
| VLAN Logistics | 10.1.2.0/24 |
| VLAN IT Support and Server room | 10.1.3.0/24 |
| VLAN IPCamera1 | 10.1.5.0/24 |
| VLAN Call center | 10.1.4.0/24 |
| First Floor | |
| VLAN Wifi2 | 10.2.2.0/24 |
| VLAN Marketing | 10.2.1.0/24 |
| VLAN Sales | 10.2.3.0/24 |
| VLAN IPCamera2 | 10.2.4.0/24 |
| Second floor | |
| VLAN Wifi3 | 10.3.4.0/24 |
| VLAN Managers | 10.3.1.0/24 |
| VLAN Accounting and Finance | 10.3.2.0/24 |
| VLAN Administration | 10.3.3.0/24 |
| VLAN IPCamera3 | 10.3.5.0/24 |
| Production Plant VLANS | |
| VLAN Wifi4 | 10.4.2.0/24 |
| VLAN Production Manager | 10.4.1.0/24 |
| VLAN Administration | 10.4.3.0/24 |
| VLAN IPCamera4 | 10.4.4.0/24 |
| Warehouse VLANS | |
| VLAN Wifi5 | 10.5.1.0/24 |
| VLAN IPCamera3 | 10.5.3.0/24 |
| VLAN Operations and Logistics | 10.5.2.0/24 |

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| Poslovni zahtevi | Poslovna ogranicenja |
| Dizajnirati novu racunarsku mrezu koja ce moci da ispuni zahteve firme | Rok 3 meseca da se projekat zavrsi |
| Novi dizajn mora da podrzi nove aplikacije | Ogranicen budzet na mogucnosti firme |
| E-commerce platforma za online kupovinu | Manji broj zaposlenih |
| Povecanje broja zaposlenih |  |

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| Tehnicki zahtevi | Tehnicka ogranicenja |
| Skalabilnost mreze (30%) | Prime sistem ne moze da podrzi zahteve biznisa |
| Osposobiti mrezu da radi za veci broj kupaca | Serveri ne mogu da procesiraju zahteve efikasno |
| e-commerce platforma | Koristi se samo jedan internet gateway |
| Prebaciti se na klijent-server tehnologiju koristeci Oracle softver | Bezina point-to-point izmedju zgrada (1Mb/s) |
| Novi sistem mora da smanji trenutno procesiranje na pola | Spora mreza i losa povezanost |
| Instalirati WiFi mrezu u sve tri zgrade |
| Instalirati IP Video kamere |
| Obezbediti pristup za zaposlene od kuce |
| Instalirati novu client/server aplikaciju HINT |
| Poboljsati sigurnost mreze |
| Paralelan sistem |
| Napraviti brzu mrezu |

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| Tip aplikacije | Aplikacija | Bitnost (Veoma bitna, bitna, nebitna) | Postojaca/nova |
| Biznis aplikacija | Prime printing | bitna | postojaca |
| E-mail | Microsoft Outlook | bitna | nova |
| Web browsing | Microsoft Edge | bitna | nova |
| Baza podataka | Oracle | veoma bitna | nova |
| Customer support | HC Support | veoma bitna | nova |
| Groupware | Zoom | bitna | nova |
| Client/server | HINT | veoma bitna | nova |
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