



Raport kwartalny dotyczący wydajności specjalnego interfejsu dostępowego (API) do usług PSD2 - bankowość detaliczna

**Okres raportu : 01.10.2023 – 31.12.2023**

Okres raportu : Październik 2023

| Data       | Czas nieprzerwanej pracy interfejsu bezpośredniego w ciągu dnia [%] | Czas przestoju interfejsu bezpośredniego w ciągu dnia [%] | Czas nieprzerwanej pracy interfejsu API w ciągu dnia [%] | Czas przestoju interfejsu API w ciągu dnia [%] | Średni dzienny czas interfejsu bezpośredniego dla usługi PIS [ms] | Średni dzienny czas interfejsu bezpośredniego dla usługi AIS [ms] | Średni dzienny czas interfejsu bezpośredniego dla usługi CAF [ms] | Średni dzienny czas interfejsu API dla usługi PIS [ms] | Średni dzienny czas interfejsu API dla usługi AIS [ms] | Średni dzienny czas interfejsu API dla usługi CAF [ms] | Dzienny wskaźnik błędów [%] |
|------------|---------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-----------------------------|
| 2023-10-01 | 100,000%                                                            | 0,000%                                                    | 99,987%                                                  | 0,013%                                         | 1230                                                              | 706                                                               | b.d.                                                              | 1160                                                   | 731                                                    | b.d.                                                   | 0,258%                      |
| 2023-10-02 | 100,000%                                                            | 0,000%                                                    | 99,953%                                                  | 0,047%                                         | 1337                                                              | 1081                                                              | b.d.                                                              | 1211                                                   | 971                                                    | b.d.                                                   | 0,733%                      |
| 2023-10-03 | 100,000%                                                            | 0,000%                                                    | 97,895%                                                  | 2,105%                                         | 1278                                                              | 1054                                                              | b.d.                                                              | 1231                                                   | 912                                                    | b.d.                                                   | 1,480%                      |
| 2023-10-04 | 100,000%                                                            | 0,000%                                                    | 99,986%                                                  | 0,014%                                         | 1277                                                              | 959                                                               | b.d.                                                              | 1171                                                   | 860                                                    | b.d.                                                   | 0,278%                      |
| 2023-10-05 | 100,000%                                                            | 0,000%                                                    | 99,946%                                                  | 0,054%                                         | 1324                                                              | 1011                                                              | b.d.                                                              | 1187                                                   | 820                                                    | b.d.                                                   | 0,398%                      |
| 2023-10-06 | 100,000%                                                            | 0,000%                                                    | 99,916%                                                  | 0,084%                                         | 1235                                                              | 964                                                               | b.d.                                                              | 1219                                                   | 833                                                    | b.d.                                                   | 0,694%                      |
| 2023-10-07 | 100,000%                                                            | 0,000%                                                    | 99,983%                                                  | 0,017%                                         | 1113                                                              | 948                                                               | b.d.                                                              | 1105                                                   | 669                                                    | b.d.                                                   | 0,402%                      |
| 2023-10-08 | 100,000%                                                            | 0,000%                                                    | 100,000%                                                 | 0,000%                                         | 1238                                                              | 954                                                               | b.d.                                                              | 1141                                                   | 661                                                    | b.d.                                                   | 0,404%                      |
| 2023-10-09 | 100,000%                                                            | 0,000%                                                    | 99,937%                                                  | 0,063%                                         | 1295                                                              | 1027                                                              | b.d.                                                              | 1253                                                   | 845                                                    | b.d.                                                   | 0,539%                      |
| 2023-10-10 | 100,000%                                                            | 0,000%                                                    | 99,973%                                                  | 0,027%                                         | 1288                                                              | 1044                                                              | b.d.                                                              | 1295                                                   | 875                                                    | b.d.                                                   | 0,889%                      |
| 2023-10-11 | 100,000%                                                            | 0,000%                                                    | 99,976%                                                  | 0,024%                                         | 1226                                                              | 1004                                                              | b.d.                                                              | 1219                                                   | 785                                                    | b.d.                                                   | 0,461%                      |
| 2023-10-12 | 100,000%                                                            | 0,000%                                                    | 99,945%                                                  | 0,055%                                         | 1240                                                              | 976                                                               | b.d.                                                              | 1165                                                   | 680                                                    | b.d.                                                   | 0,533%                      |
| 2023-10-13 | 100,000%                                                            | 0,000%                                                    | 99,898%                                                  | 0,102%                                         | 1257                                                              | 997                                                               | b.d.                                                              | 1169                                                   | 681                                                    | b.d.                                                   | 0,793%                      |
| 2023-10-14 | 100,000%                                                            | 0,000%                                                    | 99,926%                                                  | 0,074%                                         | 1124                                                              | 969                                                               | b.d.                                                              | 1163                                                   | 567                                                    | b.d.                                                   | 1,088%                      |
| 2023-10-15 | 100,000%                                                            | 0,000%                                                    | 99,932%                                                  | 0,068%                                         | 1297                                                              | 968                                                               | b.d.                                                              | 1148                                                   | 644                                                    | b.d.                                                   | 1,057%                      |
| 2023-10-16 | 100,000%                                                            | 0,000%                                                    | 99,923%                                                  | 0,077%                                         | 1318                                                              | 1015                                                              | b.d.                                                              | 1225                                                   | 684                                                    | b.d.                                                   | 0,731%                      |
| 2023-10-17 | 100,000%                                                            | 0,000%                                                    | 99,951%                                                  | 0,049%                                         | 1270                                                              | 1010                                                              | b.d.                                                              | 1209                                                   | 712                                                    | b.d.                                                   | 0,688%                      |
| 2023-10-18 | 100,000%                                                            | 0,000%                                                    | 99,898%                                                  | 0,102%                                         | 1279                                                              | 998                                                               | b.d.                                                              | 1203                                                   | 706                                                    | b.d.                                                   | 1,102%                      |
| 2023-10-19 | 100,000%                                                            | 0,000%                                                    | 99,971%                                                  | 0,029%                                         | 1281                                                              | 982                                                               | b.d.                                                              | 1219                                                   | 670                                                    | b.d.                                                   | 1,055%                      |
| 2023-10-20 | 100,000%                                                            | 0,000%                                                    | 99,907%                                                  | 0,093%                                         | 1256                                                              | 980                                                               | b.d.                                                              | 1204                                                   | 729                                                    | b.d.                                                   | 0,989%                      |
| 2023-10-21 | 100,000%                                                            | 0,000%                                                    | 99,890%                                                  | 0,110%                                         | 1082                                                              | 942                                                               | b.d.                                                              | 1176                                                   | 619                                                    | b.d.                                                   | 0,856%                      |
| 2023-10-22 | 100,000%                                                            | 0,000%                                                    | 99,965%                                                  | 0,035%                                         | 1261                                                              | 915                                                               | b.d.                                                              | 1151                                                   | 1737                                                   | b.d.                                                   | 0,468%                      |
| 2023-10-23 | 100,000%                                                            | 0,000%                                                    | 99,893%                                                  | 0,107%                                         | 1277                                                              | 1001                                                              | b.d.                                                              | 1233                                                   | 738                                                    | b.d.                                                   | 0,815%                      |
| 2023-10-24 | 100,000%                                                            | 0,000%                                                    | 99,965%                                                  | 0,035%                                         | 1273                                                              | 1019                                                              | b.d.                                                              | 1294                                                   | 739                                                    | b.d.                                                   | 0,568%                      |
| 2023-10-25 | 100,000%                                                            | 0,000%                                                    | 99,918%                                                  | 0,082%                                         | 1267                                                              | 1016                                                              | b.d.                                                              | 1371                                                   | 667                                                    | b.d.                                                   | 0,691%                      |
| 2023-10-26 | 100,000%                                                            | 0,000%                                                    | 99,980%                                                  | 0,020%                                         | 1254                                                              | 1018                                                              | b.d.                                                              | 1230                                                   | 668                                                    | b.d.                                                   | 0,484%                      |
| 2023-10-27 | 100,000%                                                            | 0,000%                                                    | 95,826%                                                  | 4,174%                                         | 1245                                                              | 1039                                                              | b.d.                                                              | 1210                                                   | 613                                                    | b.d.                                                   | 2,934%                      |
| 2023-10-28 | 100,000%                                                            | 0,000%                                                    | 99,873%                                                  | 0,127%                                         | 1090                                                              | 1026                                                              | b.d.                                                              | 1161                                                   | 621                                                    | b.d.                                                   | 0,824%                      |
| 2023-10-29 | 100,000%                                                            | 0,000%                                                    | 99,922%                                                  | 0,078%                                         | 1220                                                              | 1036                                                              | b.d.                                                              | 1164                                                   | 618                                                    | b.d.                                                   | 0,947%                      |
| 2023-10-30 | 100,000%                                                            | 0,000%                                                    | 99,951%                                                  | 0,049%                                         | 1274                                                              | 1069                                                              | b.d.                                                              | 1259                                                   | 710                                                    | b.d.                                                   | 0,896%                      |
| 2023-10-31 | 100,000%                                                            | 0,000%                                                    | 99,939%                                                  | 0,061%                                         | 1320                                                              | 1057                                                              | b.d.                                                              | 1255                                                   | 727                                                    | b.d.                                                   | 0,746%                      |



Okres raportu : Listopad 2023

| Data       | Czas nieprzerwanej pracy interfejsu bezpośredniego w ciągu dnia [%] | Czas przestoju interfejsu bezpośredniego w ciągu dnia [%] | Czas nieprzerwanej pracy interfejsu API w ciągu dnia [%] | Czas przestoju interfejsu API w ciągu dnia [%] | Średni dzienny czas interfejsu bezpośredniego dla usługi PIS [ms] | Średni dzienny czas interfejsu bezpośredniego dla usługi AIS [ms] | Średni dzienny czas interfejsu bezpośredniego dla usługi CAF [ms] | Średni dzienny czas interfejsu API dla usługi PIS [ms] | Średni dzienny czas interfejsu API dla usługi AIS [ms] | Średni dzienny czas interfejsu API dla usługi CAF [ms] | Dzienny wskaźnik błędów [%] |
|------------|---------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-----------------------------|
| 2023-11-01 | 100,000%                                                            | 0,000%                                                    | 99,922%                                                  | 0,078%                                         | 1171                                                              | 1032                                                              | b.d.                                                              | 1124                                                   | 678                                                    | b.d.                                                   | 1,582%                      |
| 2023-11-02 | 100,000%                                                            | 0,000%                                                    | 99,822%                                                  | 0,178%                                         | 1324                                                              | 1078                                                              | b.d.                                                              | 1302                                                   | 697                                                    | b.d.                                                   | 1,239%                      |
| 2023-11-03 | 100,000%                                                            | 0,000%                                                    | 99,896%                                                  | 0,104%                                         | 1310                                                              | 1058                                                              | b.d.                                                              | 1256                                                   | 720                                                    | b.d.                                                   | 1,219%                      |
| 2023-11-04 | 100,000%                                                            | 0,000%                                                    | 99,997%                                                  | 0,003%                                         | 1148                                                              | 1007                                                              | b.d.                                                              | 1168                                                   | 665                                                    | b.d.                                                   | 0,383%                      |
| 2023-11-05 | 100,000%                                                            | 0,000%                                                    | 99,950%                                                  | 0,050%                                         | 1270                                                              | 1010                                                              | b.d.                                                              | 1163                                                   | 666                                                    | b.d.                                                   | 0,377%                      |
| 2023-11-06 | 100,000%                                                            | 0,000%                                                    | 99,927%                                                  | 0,073%                                         | 1325                                                              | 1020                                                              | b.d.                                                              | 1086                                                   | 708                                                    | b.d.                                                   | 2,244%                      |
| 2023-11-07 | 100,000%                                                            | 0,000%                                                    | 99,831%                                                  | 0,169%                                         | 1314                                                              | 1014                                                              | b.d.                                                              | 1297                                                   | 781                                                    | b.d.                                                   | 1,320%                      |
| 2023-11-08 | 100,000%                                                            | 0,000%                                                    | 99,854%                                                  | 0,146%                                         | 1291                                                              | 987                                                               | b.d.                                                              | 1241                                                   | 654                                                    | b.d.                                                   | 1,366%                      |
| 2023-11-09 | 100,000%                                                            | 0,000%                                                    | 99,946%                                                  | 0,054%                                         | 1253                                                              | 1006                                                              | b.d.                                                              | 1285                                                   | 663                                                    | b.d.                                                   | 1,118%                      |
| 2023-11-10 | 100,000%                                                            | 0,000%                                                    | 99,859%                                                  | 0,141%                                         | 1239                                                              | 995                                                               | b.d.                                                              | 1260                                                   | 696                                                    | b.d.                                                   | 1,106%                      |
| 2023-11-11 | 100,000%                                                            | 0,000%                                                    | 100,000%                                                 | 0,000%                                         | 1119                                                              | 904                                                               | b.d.                                                              | 1155                                                   | 616                                                    | b.d.                                                   | 0,198%                      |
| 2023-11-12 | 100,000%                                                            | 0,000%                                                    | 99,961%                                                  | 0,039%                                         | 1276                                                              | 932                                                               | b.d.                                                              | 1168                                                   | 598                                                    | b.d.                                                   | 0,718%                      |
| 2023-11-13 | 100,000%                                                            | 0,000%                                                    | 99,914%                                                  | 0,086%                                         | 1276                                                              | 983                                                               | b.d.                                                              | 1268                                                   | 747                                                    | b.d.                                                   | 0,899%                      |
| 2023-11-14 | 100,000%                                                            | 0,000%                                                    | 99,879%                                                  | 0,121%                                         | 1287                                                              | 964                                                               | b.d.                                                              | 1240                                                   | 667                                                    | b.d.                                                   | 0,992%                      |
| 2023-11-15 | 100,000%                                                            | 0,000%                                                    | 99,969%                                                  | 0,031%                                         | 1252                                                              | 947                                                               | b.d.                                                              | 1232                                                   | 758                                                    | b.d.                                                   | 0,772%                      |
| 2023-11-16 | 100,000%                                                            | 0,000%                                                    | 99,906%                                                  | 0,094%                                         | 1269                                                              | 936                                                               | b.d.                                                              | 1214                                                   | 714                                                    | b.d.                                                   | 0,826%                      |
| 2023-11-17 | 100,000%                                                            | 0,000%                                                    | 99,820%                                                  | 0,180%                                         | 1506                                                              | 926                                                               | b.d.                                                              | 1185                                                   | 740                                                    | b.d.                                                   | 1,223%                      |
| 2023-11-18 | 100,000%                                                            | 0,000%                                                    | 99,997%                                                  | 0,003%                                         | 1134                                                              | 856                                                               | b.d.                                                              | 1182                                                   | 706                                                    | b.d.                                                   | 0,204%                      |
| 2023-11-19 | 100,000%                                                            | 0,000%                                                    | 99,975%                                                  | 0,025%                                         | 1261                                                              | 904                                                               | b.d.                                                              | 1199                                                   | 676                                                    | b.d.                                                   | 0,421%                      |
| 2023-11-20 | 100,000%                                                            | 0,000%                                                    | 99,967%                                                  | 0,033%                                         | 1333                                                              | 979                                                               | b.d.                                                              | 1277                                                   | 721                                                    | b.d.                                                   | 0,543%                      |
| 2023-11-21 | 100,000%                                                            | 0,000%                                                    | 99,883%                                                  | 0,117%                                         | 1271                                                              | 937                                                               | b.d.                                                              | 1218                                                   | 719                                                    | b.d.                                                   | 1,377%                      |
| 2023-11-22 | 100,000%                                                            | 0,000%                                                    | 99,889%                                                  | 0,111%                                         | 1265                                                              | 929                                                               | b.d.                                                              | 1208                                                   | 728                                                    | b.d.                                                   | 1,232%                      |
| 2023-11-23 | 100,000%                                                            | 0,000%                                                    | 99,857%                                                  | 0,143%                                         | 1258                                                              | 931                                                               | b.d.                                                              | 1391                                                   | 847                                                    | b.d.                                                   | 1,019%                      |
| 2023-11-24 | 100,000%                                                            | 0,000%                                                    | 99,918%                                                  | 0,082%                                         | 1221                                                              | 882                                                               | b.d.                                                              | 1086                                                   | 735                                                    | b.d.                                                   | 2,272%                      |
| 2023-11-25 | 100,000%                                                            | 0,000%                                                    | 99,976%                                                  | 0,024%                                         | 1125                                                              | 847                                                               | b.d.                                                              | 1154                                                   | 667                                                    | b.d.                                                   | 0,459%                      |
| 2023-11-26 | 100,000%                                                            | 0,000%                                                    | 99,932%                                                  | 0,068%                                         | 1248                                                              | 899                                                               | b.d.                                                              | 1161                                                   | 617                                                    | b.d.                                                   | 0,621%                      |
| 2023-11-27 | 100,000%                                                            | 0,000%                                                    | 99,908%                                                  | 0,092%                                         | 1310                                                              | 939                                                               | b.d.                                                              | 1241                                                   | 787                                                    | b.d.                                                   | 0,749%                      |
| 2023-11-28 | 100,000%                                                            | 0,000%                                                    | 99,936%                                                  | 0,064%                                         | 1288                                                              | 946                                                               | b.d.                                                              | 1203                                                   | 695                                                    | b.d.                                                   | 0,841%                      |
| 2023-11-29 | 100,000%                                                            | 0,000%                                                    | 99,916%                                                  | 0,084%                                         | 1255                                                              | 928                                                               | b.d.                                                              | 1185                                                   | 711                                                    | b.d.                                                   | 1,161%                      |
| 2023-11-30 | 100,000%                                                            | 0,000%                                                    | 99,916%                                                  | 0,084%                                         | 1291                                                              | 958                                                               | b.d.                                                              | 1257                                                   | 738                                                    | b.d.                                                   | 1,006%                      |



Okres raportu : Grudzień 2023

| Data       | Czas nieprzerwanej pracy interfejsu bezpośredniego w ciągu dnia [%] | Czas przestoju interfejsu bezpośredniego w ciągu dnia [%] | Czas nieprzerwanej pracy interfejsu API w ciągu dnia [%] | Czas przestoju interfejsu API w ciągu dnia [%] | Średni dzienny czas interfejsu bezpośredniego dla usługi PIS [ms] | Średni dzienny czas interfejsu bezpośredniego dla usługi AIS [ms] | Średni dzienny czas interfejsu bezpośredniego dla usługi CAF [ms] | Średni dzienny czas interfejsu API dla usługi PIS [ms] | Średni dzienny czas interfejsu API dla usługi AIS [ms] | Średni dzienny czas interfejsu API dla usługi CAF [ms] | Dzienny wskaźnik błędów [%] |
|------------|---------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-----------------------------|
| 2023-12-01 | 100,000%                                                            | 0,000%                                                    | 99,822%                                                  | 0,178%                                         | 1366                                                              | 1033                                                              | b.d.                                                              | 1313                                                   | 771                                                    | b.d.                                                   | 1,255%                      |
| 2023-12-02 | 100,000%                                                            | 0,000%                                                    | 99,928%                                                  | 0,072%                                         | 1164                                                              | 870                                                               | b.d.                                                              | 1177                                                   | 683                                                    | b.d.                                                   | 1,030%                      |
| 2023-12-03 | 100,000%                                                            | 0,000%                                                    | 99,963%                                                  | 0,037%                                         | 1271                                                              | 911                                                               | b.d.                                                              | 3814                                                   | 4434                                                   | b.d.                                                   | 0,609%                      |
| 2023-12-04 | 100,000%                                                            | 0,000%                                                    | 99,845%                                                  | 0,155%                                         | 1444                                                              | 981                                                               | b.d.                                                              | 1325                                                   | 757                                                    | b.d.                                                   | 1,117%                      |
| 2023-12-05 | 100,000%                                                            | 0,000%                                                    | 99,915%                                                  | 0,085%                                         | 1432                                                              | 1001                                                              | b.d.                                                              | 1309                                                   | 831                                                    | b.d.                                                   | 0,878%                      |
| 2023-12-06 | 100,000%                                                            | 0,000%                                                    | 99,808%                                                  | 0,192%                                         | 1371                                                              | 963                                                               | b.d.                                                              | 1269                                                   | 732                                                    | b.d.                                                   | 0,867%                      |
| 2023-12-07 | 100,000%                                                            | 0,000%                                                    | 99,894%                                                  | 0,106%                                         | 1403                                                              | 4917                                                              | b.d.                                                              | 1308                                                   | 873                                                    | b.d.                                                   | 0,825%                      |
| 2023-12-08 | 100,000%                                                            | 0,000%                                                    | 99,962%                                                  | 0,038%                                         | 1354                                                              | 1024                                                              | b.d.                                                              | 1308                                                   | 799                                                    | b.d.                                                   | 0,872%                      |
| 2023-12-09 | 100,000%                                                            | 0,000%                                                    | 99,980%                                                  | 0,020%                                         | 1127                                                              | 848                                                               | b.d.                                                              | 1170                                                   | 610                                                    | b.d.                                                   | 0,600%                      |
| 2023-12-10 | 100,000%                                                            | 0,000%                                                    | 99,972%                                                  | 0,028%                                         | 1252                                                              | 908                                                               | b.d.                                                              | 1182                                                   | 637                                                    | b.d.                                                   | 0,360%                      |
| 2023-12-11 | 100,000%                                                            | 0,000%                                                    | 99,761%                                                  | 0,239%                                         | 1399                                                              | 1004                                                              | b.d.                                                              | 2513                                                   | 1048                                                   | b.d.                                                   | 1,491%                      |
| 2023-12-12 | 100,000%                                                            | 0,000%                                                    | 99,903%                                                  | 0,097%                                         | 1327                                                              | 956                                                               | b.d.                                                              | 1294                                                   | 746                                                    | b.d.                                                   | 1,068%                      |
| 2023-12-13 | 100,000%                                                            | 0,000%                                                    | 99,929%                                                  | 0,071%                                         | 1339                                                              | 957                                                               | b.d.                                                              | 1283                                                   | 700                                                    | b.d.                                                   | 0,873%                      |
| 2023-12-14 | 100,000%                                                            | 0,000%                                                    | 99,928%                                                  | 0,072%                                         | 1323                                                              | 939                                                               | b.d.                                                              | 1264                                                   | 718                                                    | b.d.                                                   | 0,706%                      |
| 2023-12-15 | 100,000%                                                            | 0,000%                                                    | 99,920%                                                  | 0,080%                                         | 1297                                                              | 924                                                               | b.d.                                                              | 1274                                                   | 672                                                    | b.d.                                                   | 1,062%                      |
| 2023-12-16 | 100,000%                                                            | 0,000%                                                    | 99,903%                                                  | 0,097%                                         | 1006                                                              | 887                                                               | b.d.                                                              | 1144                                                   | 657                                                    | b.d.                                                   | 0,728%                      |
| 2023-12-17 | 100,000%                                                            | 0,000%                                                    | 99,980%                                                  | 0,020%                                         | 1658                                                              | 1053                                                              | b.d.                                                              | 1155                                                   | 637                                                    | b.d.                                                   | 0,647%                      |
| 2023-12-18 | 100,000%                                                            | 0,000%                                                    | 99,899%                                                  | 0,101%                                         | 1328                                                              | 943                                                               | b.d.                                                              | 1243                                                   | 687                                                    | b.d.                                                   | 1,038%                      |
| 2023-12-19 | 100,000%                                                            | 0,000%                                                    | 98,937%                                                  | 1,063%                                         | 1308                                                              | 940                                                               | b.d.                                                              | 1224                                                   | 667                                                    | b.d.                                                   | 2,519%                      |
| 2023-12-20 | 100,000%                                                            | 0,000%                                                    | 99,882%                                                  | 0,118%                                         | 1282                                                              | 915                                                               | b.d.                                                              | 1175                                                   | 691                                                    | b.d.                                                   | 1,585%                      |
| 2023-12-21 | 100,000%                                                            | 0,000%                                                    | 99,865%                                                  | 0,135%                                         | 1307                                                              | 939                                                               | b.d.                                                              | 1251                                                   | 707                                                    | b.d.                                                   | 1,683%                      |
| 2023-12-22 | 100,000%                                                            | 0,000%                                                    | 99,819%                                                  | 0,181%                                         | 1248                                                              | 906                                                               | b.d.                                                              | 1168                                                   | 615                                                    | b.d.                                                   | 1,610%                      |
| 2023-12-23 | 100,000%                                                            | 0,000%                                                    | 99,923%                                                  | 0,077%                                         | 1094                                                              | 838                                                               | b.d.                                                              | 1145                                                   | 616                                                    | b.d.                                                   | 1,163%                      |
| 2023-12-24 | 100,000%                                                            | 0,000%                                                    | 99,885%                                                  | 0,115%                                         | 1026                                                              | 815                                                               | b.d.                                                              | 1130                                                   | 538                                                    | b.d.                                                   | 1,410%                      |
| 2023-12-25 | 100,000%                                                            | 0,000%                                                    | 99,983%                                                  | 0,017%                                         | 1075                                                              | 829                                                               | b.d.                                                              | 1177                                                   | 629                                                    | b.d.                                                   | 0,548%                      |
| 2023-12-26 | 100,000%                                                            | 0,000%                                                    | 99,926%                                                  | 0,074%                                         | 1177                                                              | 877                                                               | b.d.                                                              | 1144                                                   | 600                                                    | b.d.                                                   | 0,646%                      |
| 2023-12-27 | 100,000%                                                            | 0,000%                                                    | 99,837%                                                  | 0,163%                                         | 1350                                                              | 952                                                               | b.d.                                                              | 1224                                                   | 629                                                    | b.d.                                                   | 1,484%                      |
| 2023-12-28 | 100,000%                                                            | 0,000%                                                    | 99,860%                                                  | 0,140%                                         | 1330                                                              | 950                                                               | b.d.                                                              | 1229                                                   | 691                                                    | b.d.                                                   | 1,617%                      |
| 2023-12-29 | 100,000%                                                            | 0,000%                                                    | 99,850%                                                  | 0,150%                                         | 1300                                                              | 942                                                               | b.d.                                                              | 1218                                                   | 702                                                    | b.d.                                                   | 1,344%                      |
| 2023-12-30 | 100,000%                                                            | 0,000%                                                    | 99,923%                                                  | 0,077%                                         | 1138                                                              | 858                                                               | b.d.                                                              | 1174                                                   | 648                                                    | b.d.                                                   | 1,120%                      |
| 2023-12-31 | 100,000%                                                            | 0,000%                                                    | 99,941%                                                  | 0,059%                                         | 1155                                                              | 875                                                               | b.d.                                                              | 1132                                                   | 563                                                    | b.d.                                                   | 0,000%                      |

