



Automação Relatórios

Rede Fixa

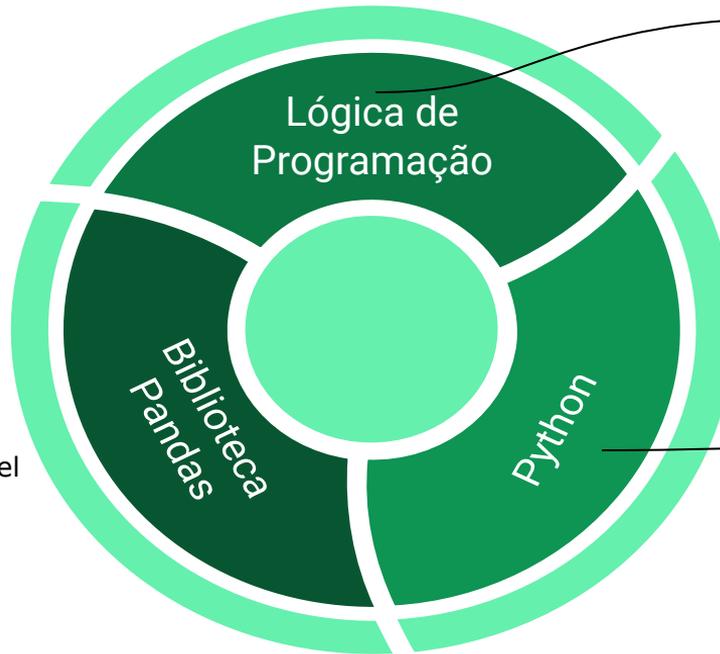
Fernando Henrique da Cruz
Andrio Oliveira

Automação Relatórios Rede Fixa



Automação Relatórios Rede Fixa

Formação básica sugerida:

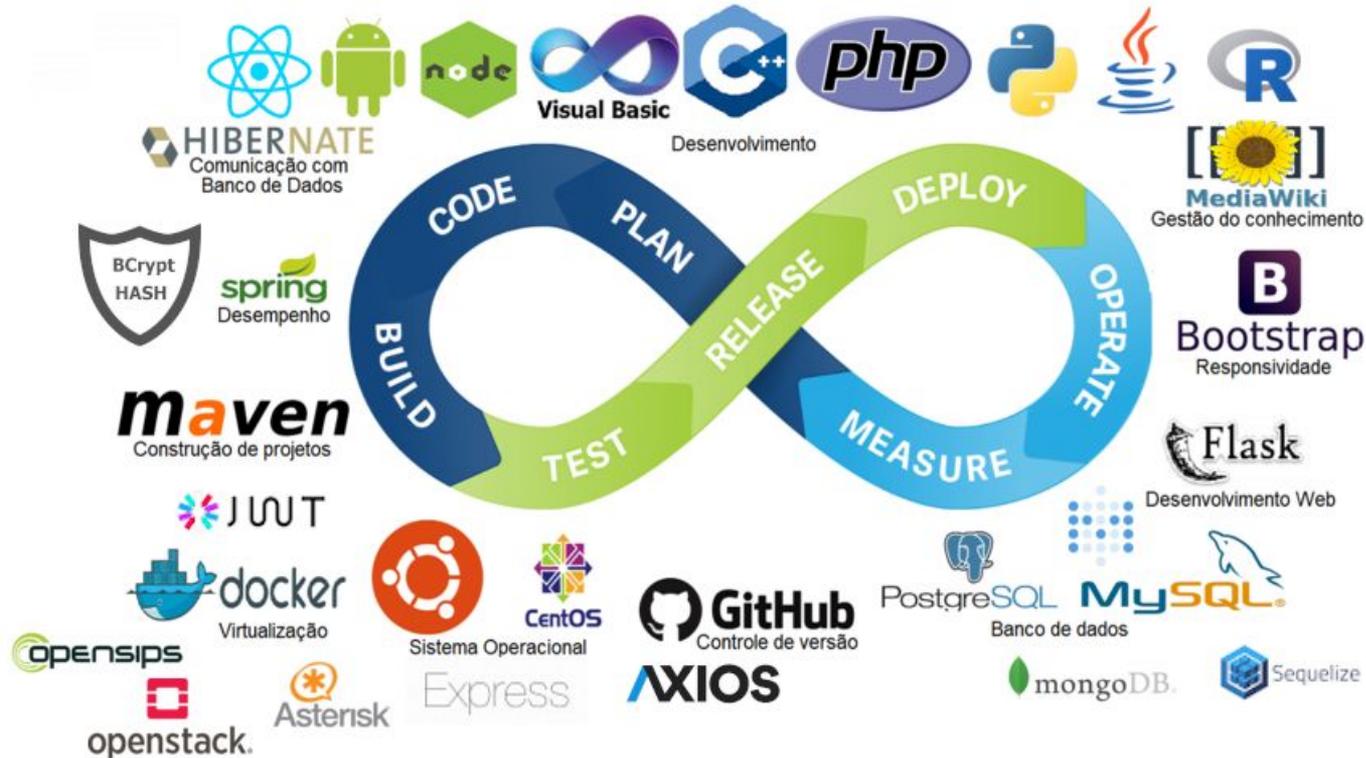


- Fernando Henrique
- Álvaro Latado
- André Lannes Bernardes Argel
- Sérgio Henrique Corgozinho
- Alana Soares Reis

- Arthur Filipe Sousa Gomes
- Bruno Senhoroto
- Gabriel Ribeiro Bernardi
- Maxley Soares
- Fernando Henrique
- Álvaro Latado
- André Lannes Bernardes Argel
- Sérgio Henrique Corgozinho
- Alana Soares Reis

Integração Contínua

Ambiente de Integração Contínua



Automação Relatórios: como eram gerados

TXT

Associado pegava o .txt através dos equipamentos

CSV

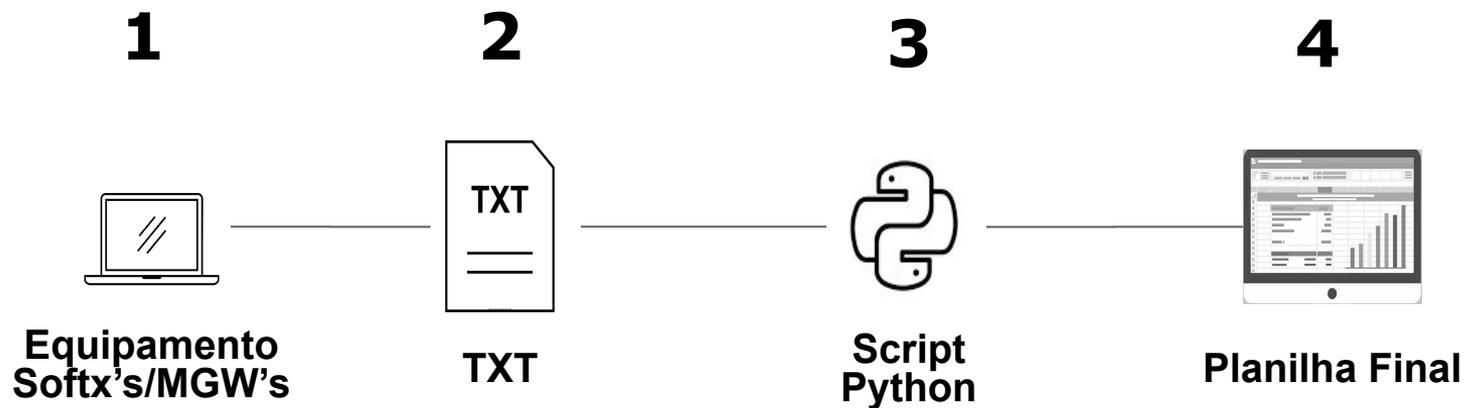
Com o .txt, o .csv era gerado, na mão

Tratativas

Com o .csv pronto, algumas tratativas eram feitas

Obs.: O Associado demorava em média um dia para gerar os relatórios completos

Automação Relatórios: processo de automação



Obs.: O Associado demora em média 15 minutos para finalizar os relatórios

Automação Relatórios: processo de automação

Abrir [ícone] LICENÇAS FAC - 07-03-2020.txt
~/Algar/Capacidade/Andrioi/mais coisa/Arquivos Softx

17 +++ AGCF/*MEID:281 MENAME:Softx3000_FAC*/ 2020-03-09 09:59:48-03:00
18 0&M #215
19 %NDSP LICENSERES;%%
20 RETCODE = 0 Operation succeeded
21
22 License Usage Information
23 -----
24 License ID License Item Type Authorization-values Real-values Usage-percent(%) Left-percent(%)
25
26 LAC15BRM01 AGCF POTS Subscriber Basic Function(per sub) Resource 1000000 0 0 100
27 LAC1BRAM01 AGCF ISDN Subscriber Basic Function(per sub) Resource 700000 0 0 100
28 LAC1MGW01 Managed Media Gateways(per MGW) Resource 400000 458 0 100
29 LAC1V5TM01 Managed Narrowband Trunk(per trunk) Resource 500000 45925 9 91
30 LSF35SP004 Do-not-disturb service for the POTS subscribers Resource 1000000 142 0 100
31 LSF35SP006 Wakeup service for the POTS subscribers Resource 1000000 0 0 100
32 LSF35SP008 Call forwarding unconditional for the POTS subscribers Resource 1000000 1800 0 100
33 LSF35SP009 Call forwarding busy for the POTS subscribers Resource 1000000 1628 0 100
34 LSF35SP010 Call forwarding no reply for the POTS subscribers Resource 1000000 2086 0 100
35 LSF35SP011 Absence service for the POTS subscribers Resource 1000000 2 0 100
36 LSF35SP012 Call waiting for the POTS subscribers Resource 1000000 1437 0 100
37 LSF35SP013 Call back service for the POTS subscribers Resource 1000000 957 0 100
38 LSF35SP014 Three-party service for the POTS subscribers Resource 1000000 75 0 100
39 LSF35SP015 Conference call service for the POTS subscribers Resource 1000000 348 0 100
40 LSF35SP016 Co-group pickup service for the POTS subscribers Resource 1000000 1388 0 100
41 LSF35SP017 Designated pickup service for the POTS subscribers Resource 1000000 1372 0 100
42 LSF35SP018 Call transfer for the POTS subscribers Resource 1000000 1111 0 100
43 LSF35SP020 Calling line identification presentation for the POTS subscribers Resource 1000000 15833 1 99
44 LSF35SP021 Calling line identification restriction for the POTS subscribers Resource 1000000 22 0 100
45 LSF35SP032 Call hold service for the POTS subscribers Resource 1000000 2 0 100
46 LSF35SP041 Complete call on busy for the POTS subscribers Resource 1000000 0 0 100
47 LSF35SP049 Password call for the POTS subscribers Resource 1000000 209 0 100
48 LSF35SP059 Cyclic line hunting for the POTS subscribers Resource 1000000 0 0 100
49 LSF35SP073 Call forwarding busy to voice mailbox for the POTS subscribers Resource 1000000 8356 0 100
50 LSF35SP074 Call forwarding no reply to voice mailbox for the POTS subscribers Resource 1000000 8359 0 100
51 LSF35SP077 Intra-Centrex designated pickup for the POTS subscribers Resource 1000000 1146 0 100
52 LSF35SP089 Call forwarding unconditional to voice mailbox for the POTS subscribers Resource 1000000 28 0 100
53 LSF35SP109 Intra-group call forwarding for the POTS subscribers Resource 1000000 0 0 100
54 LSF35SP111 Intra-group call transfer for the POTS subscribers Resource 1000000 0 0 100
55 LSF35SP132 Query self number for subscriber for the POTS subscribers Resource 1000000 47221 4 96
56 LSF35SM003 Outgoing call barring for the multimedia subscribers Resource 500000 1199 0 100
57 LSF35SM008 Call forwarding unconditional for the multimedia subscribers Resource 500000 23581 4 96
58 LSF35SM009 Call forwarding busy for the multimedia subscribers Resource 500000 1722 0 100
59 LSF35SM010 Call forwarding no reply for the multimedia subscribers Resource 500000 1842 0 100
60 LSF35SM014 Three-party service for the multimedia subscribers Resource 500000 101 0 100
61 LSF35SM018 Call transfer for the multimedia subscribers Resource 500000 901 0 100
62 LSF35SM020 Calling line identification presentation for the multimedia subscribers Resource 500000 19174 3 97
63 LSF35SM074 Call forwarding no reply to voice mailbox for the multimedia subscribers Resource 500000 3103 0 100
64 LSF35SM089 Call forwarding unconditional to voice mailbox for the multimedia subscribers Resource 500000 12 0 100
65 LSF35SM124 Remote control supplementary service for the multimedia subscribers Resource 500000 3 0 100
66 LSF35SP001 Abbreviated dialing subscribers Resource 1000000 1272 0 100
67 LSF35SP002 Hotline service for the POTS subscribers Resource 1000000 771 0 100
68 LSF35SP003 Outgoing call barring for the POTS subscribers Resource 1000000 3993 0 100
69 LAC1BWLNUM01 White/Black List Subscribers Resource 1000000 23659 2 98
70 LAC1INTDSP01 The number of SS7 voice signaling points(per Signaling Point) Resource 128 0 0 100

Texto sem formatação ▾ Largura da tabulação: 4 ▾ Lin 3, Col 21 ▾ INS

Automação Relatórios: processo de automação

```
~/Algoritmos/Andrio/mais coisa/Arquivos Softx/licensas.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
licensas.py x tabelas.py x
67
68     df = df.rename(columns=newColumns)
69
70     return df
71
72 def generateCompleteReport(fileBase, createdFile, countDays, name_csv):
73     created = createdFile
74     created = renameColumns(created, list(created.columns))
75
76     base = fileBase
77     base = renameColumns(base, list(base.columns))
78
79     completeReport = []
80
81     for index,row in created.iterrows():
82         rowBase = base.loc[base['license_id'] == row.license_id]
83         if(row.maximum_tuple_number == 0):
84             usage = 0
85         else:
86             usage = int(round(row.used_number/row.maximum_tuple_number, 2)*100)
87
88         # monthlyGrowth = int(round(((row.used_number - rowBase.used_number.values[0])/countDays)))
89         realGrowth = int(round(((row.used_number - rowBase.used_number.values[0])/countDays)*30))
90
91         available = round(row.maximum_tuple_number - row.used_number)
92         if realGrowth != 0:
93             forecastNumber = round(available/realGrowth)
94         else:
95             forecastNumber = 0
96
97         if forecastNumber == 0: forecast = 'Estavel'
98         elif forecastNumber >= 1 and forecastNumber <= 24: forecast = forecastNumber
99         elif forecastNumber > 24: forecast = 'Maior que 2 Anos'
100        elif forecastNumber < 0: forecast = 'Decrescimento'
101
102        newRow = [row.license_id, row.license_item, row.type, int(row.maximum_tuple_number), int(row.used_number), usage, realGrowth, forecast, available, forecastNumber]
103        completeReport.append(newRow)
104
105        report = pd.DataFrame(completeReport, columns=['ID', 'DESCRIPTION', 'TYPE', 'TOTAL', 'UTILIZADO', 'UTILIZADO %', 'CRESCIMENTO MENSAL', 'PREVISAO DE ESGOTAMENTO / MES', 'Avaiable', ])
106
107        report.to_csv(name_csv, engine='openpyxl', index=False)
108
109        return report
110
111
112
113 def run(current_file_ULA, previous_file_ULA, name_csv_ULA, days_ULA, current_file_SPO, previous_file_SPO, name_csv_SPO, days_SPO, current_file_FAC, previous_file_FAC, name_csv_FAC, da
114         current_ULA = createCsv(current_file_ULA)
```

Automação Relatórios: processo de automação

Final_FAC.xlsx - LibreOffice Calc

Arquivo Editar Exibir Inserir Formatar Estilos Planilha Dados Ferramentas Janela Ajuda

Calibri 11 N I S A % 74

S29 fx Σ =

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	ID	DESCRIPTION	TYPE	TOTAL	UTILIZADO	UTILIZADO %	CRESCIMENTO MENSAL	PREVISAO DE ESGOTAMENTO / MES	Avaialbe	forecastNumber					
1	LAC1B8RM01	AGCF POTS Subscriber Basic Function(per sub)	Resource	1000000	0	0	0	Estavel	1000000	0					
2	LAC1BRAM01	AGCF ISDN Subscriber Basic Function(per sub)	Resource	700000	0	0	0	Estavel	700000	0					
3	LAC1MGWMM01	Managed Media Gateways(per MGW)	Resource	400000	457	0	-1	Decrescimento	399543	-399543					
4	LAC1V5TM01	Managed Narrowband Trunk(per trunk)	Resource	500000	45744	9	-226	Decrescimento	454256	-2010					
5	LSF3SSP004	Do-not-disturb service for the POTS subscribers	Resource	1000000	128	0	-18	Decrescimento	999872	-55548					
6	LSF3SSP006	Wakeup service for the POTS subscribers	Resource	1000000	0	0	0	Estavel	1000000	0					
7	LSF3SSP008	Call forwarding unconditional for the POTS subscribers	Resource	1000000	2038	0	298	Maior que 2 Anos	997962	3349					
8	LSF3SSP009	Call forwarding busy for the POTS subscribers	Resource	1000000	1813	0	231	Maior que 2 Anos	998187	4321					
9	LSF3SSP010	Call forwarding no reply for the POTS subscribers	Resource	1000000	2277	0	239	Maior que 2 Anos	997723	4175					
10	LSF3SSP011	Absence service for the POTS subscribers	Resource	1000000	2	0	0	Estavel	999998	0					
11	LSF3SSP012	Call waiting for the POTS subscribers	Resource	1000000	1398	0	-49	Decrescimento	998602	-20380					
12	LSF3SSP013	Call back service for the POTS subscribers	Resource	1000000	927	0	-38	Decrescimento	999073	-26291					
13	LSF3SSP014	Three-party service for the POTS subscribers	Resource	1000000	74	0	-1	Decrescimento	999926	-999926					
14	LSF3SSP015	Conference call service for the POTS subscribers	Resource	1000000	346	0	-2	Decrescimento	999654	-499827					
15	LSF3SSP016	Co-group pickup service for the POTS subscribers	Resource	1000000	1356	0	-40	Decrescimento	998644	-24966					
16	LSF3SSP017	Designated pickup service for the POTS subscribers	Resource	1000000	1340	0	-40	Decrescimento	998660	-24966					
17	LSF3SSP018	Call transfer for the POTS subscribers	Resource	1000000	1106	0	-6	Decrescimento	998894	-166482					
18	LSF3SSP020	Calling line identification presentation for the POTS subscribers	Resource	1000000	16185	2	440	Maior que 2 Anos	983815	2236					
19	LSF3SSP021	Calling line identification restriction for the POTS subscribers	Resource	1000000	24	0	2	Maior que 2 Anos	999976	499988					
20	LSF3SSP022	Call hold service for the POTS subscribers	Resource	1000000	1	0	-1	Decrescimento	999999	-999999					
21	LSF3SSP041	Complete call on busy for the POTS subscribers	Resource	1000000	0	0	0	Estavel	1000000	0					
22	LSF3SSP049	Password call for the POTS subscribers	Resource	1000000	575	0	-42	Decrescimento	999425	-23796					
23	LSF3SSP059	Cyclic line hunting for the POTS subscribers	Resource	1000000	0	0	0	Estavel	1000000	0					
24	LSF3SSP073	Call forwarding busy to voice mailbox for the POTS subscribers	Resource	1000000	8230	1	-158	Decrescimento	991770	-6277					
25	LSF3SSP074	Call forwarding no reply to voice mailbox for the POTS subscribers	Resource	1000000	8233	1	-158	Decrescimento	991767	-6277					
26	LSF3SSP077	Intra-Centrex designated pickup for the POTS subscribers	Resource	1000000	1125	0	-26	Decrescimento	998875	-38418					
27	LSF3SSP089	Call forwarding unconditional to voice mailbox for the POTS subscribers	Resource	1000000	28	0	0	Estavel	999972	0					
28	LSF3SSP109	Intra-group call forwarding for the POTS subscribers	Resource	1000000	0	0	0	Estavel	1000000	0					
29	LSF3SSP111	Intra-group call transfer for the POTS subscribers	Resource	1000000	0	0	0	Estavel	1000000	0					
30	LSF3SSP132	Query self number for subscriber for the POTS subscribers	Resource	1000000	44826	4	-2994	Decrescimento	955174	-319					
31	LSF3SSM003	Outgoing call barring for the multimedia subscribers	Resource	500000	1194	0	-6	Decrescimento	498806	-83134					
32	LSF3SSM008	Call forwarding unconditional for the multimedia subscribers	Resource	500000	23955	5	468	Maior que 2 Anos	476045	1017					
33	LSF3SSM009	Call forwarding busy for the multimedia subscribers	Resource	500000	2116	0	493	Maior que 2 Anos	497884	1010					
34	LSF3SSM010	Call forwarding no reply for the multimedia subscribers	Resource	500000	2287	0	556	Maior que 2 Anos	497713	895					
35	LSF3SSM014	Three-party service for the multimedia subscribers	Resource	500000	102	0	1	Maior que 2 Anos	499898	499898					
36	LSF3SSM018	Call transfer for the multimedia subscribers	Resource	500000	918	0	21	Maior que 2 Anos	499082	23766					
37	LSF3SSM020	Calling line identification presentation for the multimedia subscribers	Resource	500000	19819	4	806	Maior que 2 Anos	480181	596					
38	LSF3SSM024	Call forwarding no reply to voice mailbox for the multimedia subscribers	Resource	500000	3106	1	4	Maior que 2 Anos	496894	124224					
39	LSF3SSM087	Call forwarding unconditional to voice mailbox for the multimedia subscribers	Resource	500000	13	0	1	Maior que 2 Anos	499987	499987					

Sheet1

Planilha 1 de 1 PageStyle_Sheet1 Português (Brasil) I 100%

Automação Relatórios: principais benefícios

Os relatórios gerados são enviados para as áreas de negócio: Marketing e Planejamento e para as áreas de operação: COR e Tribo de entregas.

- As áreas de negócio usam o relatório para prospectar novas vendas e produtos
- A área de planejamento usa o relatório para planejar melhorias e ampliações de rede
- O COR e a Tribo de entregas utiliza para acompanhamento e consulta

Automação Relatórios: próximos passos

- Gerar o relatório com o maior número de formatação possível
- Automatizar a parte de entrar no equipamento e gerar o .txt

