# Задание для разработчика

Дан документ в формате JSON (его содержимое ниже нужно сохранить в виде текстового файла):

{"links":{"SELF":{"href":"/api/cbnd/v1/networkservices/110b0092-1dc7-4edd-9309-f1a30fb80d52","method":"GET"}},"id":"110b0092-1dc7-4edd-9309-f1a30fb80d52","name":"StepSEG27-DCCOMM","vendor":null,"nsdId":"7bd25a5b-d017-4b59-a281-f32eac11cd54","nsdVersion":"1.0.2","status":"DEPLOYED","priorityIndex":null,"description":"Datacenter overlay objects for enterprise: StepSEG27","eventLog":[{"eventLogId":"93212e43-1194-4c1f-94c0-f386635bef94","operationName":"DEPLOY","job":{"ownerId":"MISTRAL\_WORKFLOW","id":998093,"status":"FINISHED","description":"Network service DEPLOY operation finished for network service name: StepSEG27-DCCOMM, id: 110b0092-1dc7-4edd-9309-f1a30fb80d52","startTime":1598539888000,"endTime":1598542394000,"lastModifiedTimestamp":1598542394000,"lastModifiedUser":"its\_user01","targetEntityReference":"","realm":"CloudBandNetworkDirector","parentId":null,"children":[]},"jobId":998093,"startTime":1598539918000,"metadata":{"type":"DEPLOY","name":null,"nsdId":null,"description":null,"parameters":null}},{"eventLogId":"b6063f0a-e139-43f3-b201-1e402ecaa5e8","operationName":"CREATE","job":{"ownerId":"LCM-SERVICE","id":998075,"status":"FINISHED","description":"Network service CREATE operation completed successfully for network service name: StepSEG27-DCCOMM id : 110b0092-1dc7-4edd-9309-f1a30fb80d52","startTime":1598539883000,"endTime":1598539885000,"lastModifiedTimestamp":1598539885000,"lastModifiedUser":"its\_user01","targetEntityReference":"/api/cbnd/v1/networkservices/110b0092-1dc7-4edd-9309-f1a30fb80d52","realm":"CloudBandNetworkDirector","parentId":null,"children":[]},"jobId":998075,"startTime":1598539884000,"metadata":{"type":"CREATE","name":"StepSEG27-DCCOMM","nsdId":"7bd25a5b-d017-4b59-a281-f32eac11cd54","description":"Datacenter overlay objects for enterprise: StepSEG27","parameters":[{"name":"enterprise\_name","value":"StepSEG27","group":null},{"name":"sdwan\_domain\_name","value":"SDWAN\_Domain","group":null},{"name":"nsgbr1","value":{"name":"p246i44nsgbr-004-03","port":"port2","vlan":2606},"group":null},{"name":"nsgbr2","value":{"name":"p246i45nsgbr-004-03","port":"port2","vlan":2606},"group":null},{"name":"nsgbr3","value":{"name":"p246i44nsgbr-006-02","port":"port2","vlan":2606},"group":null},{"name":"nsgbr4","value":{"name":"p246i45nsgbr-006-02","port":"port2","vlan":2606},"group":null},{"name":"shared\_public\_network","value":"TLC-L3-Internet-000-212-164-128-0-22","group":null},{"name":"tenant\_private\_network","value":{"name":"private\_domain","subnet":"10.10.0.0/24","ip\_pools":[{"start":"10.10.0.100","end":"10.10.0.254"}]},"group":null},{"name":"tenant\_sync\_network","value":"192.168.200.0/29","group":null},{"name":"shared\_management\_network","value":"TLC-VnfManagement-000-10-86-0-0-16","group":null},{"name":"mgmt\_net\_CSPAdmin","value":"172.16.2.0/24","group":null},{"name":"mgmt\_DNS\_servers","value":{"dns1":"95.167.167.95","dns2":"95.167.167.96"},"group":null},{"name":"mgmt\_NTP\_servers","value":{"M10":{"ntp1":"10.84.2.129","ntp2":"10.84.2.139"},"M9":{"ntp1":"10.85.2.129","ntp2":"10.85.2.139"}},"group":null},{"name":"snmp\_manager\_ip","value":"10.100.0.4","group":null},{"name":"syslog\_server\_ip","value":"10.100.0.5","group":null},{"name":"mgmt\_net\_list","value":["198.18.0.0/15"],"group":null},{"name":"fw\_config\_common","value":{"Ext\_FW\_IP":"212.164.130.59","Priv\_FW\_IP":"10.10.0.8"},"group":null},{"name":"fw\_config\_web","value":{"Ext\_WAF\_IP":"212.164.130.59","Priv\_WAF\_IP":"10.10.0.14"},"group":null},{"name":"fw\_config\_antispam","value":{"Ext\_AntiSpam\_IP":"212.164.130.60","Priv\_AntiSpam\_IP":"10.10.0.11"},"group":null}]}}],"creationTime":1598539884000,"lastModifiedTime":1598542393000,"lastModifiedUser":"its\_user01","autoScalePolicy":null,"nsdVendor":null,"serviceDeploymentFlavour":null,"connectionPointIds":[],"parameters":[{"name":"mgmt\_DNS\_servers","value":{"dns1":"95.167.167.95","dns2":"95.167.167.96"},"group":null},{"name":"snmp\_manager\_ip","value":"10.100.0.4","group":null},{"name":"fw\_config\_antispam","value":{"Ext\_AntiSpam\_IP":"212.164.130.60","Priv\_AntiSpam\_IP":"10.10.0.11"},"group":null},{"name":"sdwan\_domain\_name","value":"SDWAN\_Domain","group":null},{"name":"mgmt\_net\_list","value":["198.18.0.0/15"],"group":null},{"name":"fw\_config\_common","value":{"Ext\_FW\_IP":"212.164.130.59","Priv\_FW\_IP":"10.10.0.8"},"group":null},{"name":"tenant\_private\_network","value":{"name":"private\_domain","subnet":"10.10.0.0/24","ip\_pools":[{"start":"10.10.0.100","end":"10.10.0.254"}]},"group":null},{"name":"nsgbr1","value":{"name":"p246i44nsgbr-004-03","port":"port2","vlan":2606},"group":null},{"name":"tenant\_sync\_network","value":"192.168.200.0/29","group":null},{"name":"mgmt\_NTP\_servers","value":{"M10":{"ntp1":"10.84.2.129","ntp2":"10.84.2.139"},"M9":{"ntp1":"10.85.2.129","ntp2":"10.85.2.139"}},"group":null},{"name":"shared\_management\_network","value":"TLC-VnfManagement-000-10-86-0-0-16","group":null},{"name":"syslog\_server\_ip","value":"10.100.0.5","group":null},{"name":"Use\_SOC","value":false,"group":"default"},{"name":"shared\_public\_network","value":"TLC-L3-Internet-000-212-164-128-0-22","group":null},{"name":"nsgbr3","value":{"name":"p246i44nsgbr-006-02","port":"port2","vlan":2606},"group":null},{"name":"tenant\_CE\_network\_list","value":[],"group":"default"},{"name":"fw\_config\_web","value":{"Ext\_WAF\_IP":"212.164.130.59","Priv\_WAF\_IP":"10.10.0.14"},"group":null},{"name":"mgmt\_net\_CSPAdmin","value":"172.16.2.0/24","group":null},{"name":"nsgbr4","value":{"name":"p246i45nsgbr-006-02","port":"port2","vlan":2606},"group":null},{"name":"nsgbr2","value":{"name":"p246i45nsgbr-004-03","port":"port2","vlan":2606},"group":null},{"name":"enterprise\_name","value":"StepSEG27","group":null}],"vnfs":[],"pnfs":[{"id":"6357f627-091d-4152-b39f-ffbf9b382d46","pnfdId":"p246i44nsgbr-004-01","pnfdVersion":"1","pnfdVendor":"Nokia","name":"nsgbr1\_pnf","connectionPointIds":["adc0846d-79d7-489f-baa7-aaf38bef7779","cde377f4-5920-4d8e-8789-9b5827635395"],"links":{"SELF":{"href":"/api/cbnd/v1/pnfs/6357f627-091d-4152-b39f-ffbf9b382d46","method":"GET"}},"nsrId":"110b0092-1dc7-4edd-9309-f1a30fb80d52","aggregatedStatus":"UNKNOWN","creationTime":1598539884000,"lastModifiedTime":null,"lastModifiedUser":"its\_user01","eventLog":[]},{"id":"17a53fc7-6689-47cd-b131-3ccb149f8d9b","pnfdId":"p246i44nsgbr-004-02","pnfdVersion":"1","pnfdVendor":"Nokia","name":"nsgbr2\_pnf","connectionPointIds":["09a68b47-61cd-4002-a6f4-a46e33fef510","e7d2e219-9b67-41db-b707-5c6d219d947e"],"links":{"SELF":{"href":"/api/cbnd/v1/pnfs/17a53fc7-6689-47cd-b131-3ccb149f8d9b","method":"GET"}},"nsrId":"110b0092-1dc7-4edd-9309-f1a30fb80d52","aggregatedStatus":"UNKNOWN","creationTime":1598539884000,"lastModifiedTime":null,"lastModifiedUser":"its\_user01","eventLog":[]},{"id":"3cda7386-defa-4a9c-b078-7f2d15dc5a32","pnfdId":"p246i44nsgbr-004-04","pnfdVersion":"1","pnfdVendor":"Nokia","name":"nsgbr4\_pnf","connectionPointIds":["185626df-c3f5-4155-906a-0a29ff722693","81b1140b-febc-4589-950f-1c72ec6488a7"],"links":{"SELF":{"href":"/api/cbnd/v1/pnfs/3cda7386-defa-4a9c-b078-7f2d15dc5a32","method":"GET"}},"nsrId":"110b0092-1dc7-4edd-9309-f1a30fb80d52","aggregatedStatus":"UNKNOWN","creationTime":1598539885000,"lastModifiedTime":null,"lastModifiedUser":"its\_user01","eventLog":[]},{"id":"b76ce46a-1693-4fb6-951c-6d25d45fc32a","pnfdId":"p246i44nsgbr-004-03","pnfdVersion":"1","pnfdVendor":"Nokia","name":"nsgbr3\_pnf","connectionPointIds":["a5ca64e5-5b1b-4d4a-aa21-dd49e6551232","287910f0-7c5a-452f-87f5-f3d75ffbdfce"],"links":{"SELF":{"href":"/api/cbnd/v1/pnfs/b76ce46a-1693-4fb6-951c-6d25d45fc32a","method":"GET"}},"nsrId":"110b0092-1dc7-4edd-9309-f1a30fb80d52","aggregatedStatus":"UNKNOWN","creationTime":1598539885000,"lastModifiedTime":null,"lastModifiedUser":"its\_user01","eventLog":[]}],"nfps":[],"outputs":[{"name":"private\_subnet\_gateway","value":"10.10.0.1"}]}

Необходимо написать десктопное приложение которое:

1. Визуализирует json массив parameters основного объекта документа. Самым удобным вариантом представляется таблица;
2. Отображает в отдельном многострочном поле исходный документ json, но в формате удобном для восприятия человеком (имеется в виду форматирование с разбиением на строки и расстановка отступов);
3. Дает возможность изменять значения в таблице с последующим сохранением в изначальный формат;
4. Визуально выделяет элементы массива parameters в таблице из пункта 1, содержащие в атрибуте “name” значение у которого в составе есть подстрока «nsgbr».