**Polaris Nginx 2 ports 1WAY and 2nd 2WAY**

* configure 2 new files (site name according to relevant project or system):

/etc/nginx/conf.d/upstreams.conf

/etc/nginx/conf.d/Site\_name.conf

* put the following lines to the upstream.com file:

upstream system-dmd {

ip\_hash;

server swm-1:8080;

server swm-2:8080

}

* create ssl directory inside /etc/nginx/conf.d/ and put in that directory the relevant certificates
* create dhparam certificate to hardened TLS encryption by issuing the following command:

openssl dhparam -out /etc/nginx/ssl/dhparam.pem 2048 (encryption can be change from 2048 to another value if needed)

* create the Site\_name.conf configuration file and put the example configuration inside:

change the following petameters:

1. server\_name
2. Log Path/name
3. Certificates path’s
4. Upstream dms names
5. Swm names in the section which point to specific swm node as in upstream section
6. In section which there is a path point to specific swm server specify the hostname as the application is configured with (usually it is the actual OS hostname but best to double check).

**Site\_name.conf Example content**

#ssl\_prefer\_server\_ciphers on;

#ssl\_dhparam /etc/nginx/conf.d/ssl/dhparams.pem;

#ssl\_ciphers 'ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-AES256-GCM-SHA384:DHE-RSA-AES128-GCM-SHA256:DHE-DSS-AES128-GCM-SHA256:kEDH+AESGCM:ECDHE-RSA-AES128-SHA256:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-AES128-SHA:ECDHE-ECDSA-AES128-SHA:ECDHE-RSA-AES256-SHA384:ECDHE-ECDSA-AES256-SHA384:ECDHE-RSA-AES256-SHA:ECDHE-ECDSA-AES256-SHA:DHE-RSA-AES128-SHA256:DHE-RSA-AES128-SHA:DHE-DSS-AES128-SHA256:DHE-RSA-AES256-SHA256:DHE-DSS-AES256-SHA:DHE-RSA-AES256-SHA:AES128-GCM-SHA256:AES256-GCM-SHA384:AES128-SHA256:AES256-SHA256:AES128-SHA:AES256-SHA:AES:CAMELLIA:DES-CBC3-SHA:!aNULL:!eNULL:!EXPORT:!DES:!RC4:!MD5:!PSK:!aECDH:!EDH-DSS-DES-CBC3-SHA:!EDH-RSA-DES-CBC3-SHA:!KRB5-DES-CBC3-SHA';

#

server {

listen 8443 ssl;

ssl\_protocols TLSv1.2;

proxy\_http\_version 1.1;

server\_name swm.domain.com

ssl\_certificate /etc/nginx/conf.d/ssl/swm.domain.com.pem;

ssl\_certificate\_key /etc/nginx/conf.d/ssl/ swm.domain.com.key.pem;

ssl\_verify\_client off;

access\_log /var/log/nginx/access.api.log main;

error\_log /var/log/nginx/error.api.log;

index index.html;

client\_max\_body\_size 5000M;

location /dm {

proxy\_pass http://system-dmd ;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_buffering off;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-Proto https;

}

location /dm/swm-1 {

proxy\_pass http://swm-1:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /dm/swm-2 {

proxy\_pass http://swm-2:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /VrmDLServerWEB/servlet/RequestDPServlet {

proxy\_pass http://system-dmd;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /VrmDLServerWEB/servlet/RequestDPServlet/swm-1 {

proxy\_pass http://swm-1:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /VrmDLServerWEB/servlet/RequestDPServlet/swm-2 {

proxy\_pass http://swm-2:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location ~\* /(VrmDLServerWEB/servlet/RequestDPServlet|VrmDLServerWEB/servlet/InstallNotify|DPInfo|iMDM/ext|ext|campaignDescription){

proxy\_pass http:// http://system-dmd;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_read\_timeout 300;

proxy\_connect\_timeout 300;

proxy\_buffering off;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location ~\* /(sma|resource|ex\_resources|OnlineHelp|tf|docs|DPInfo|otaportal){

proxy\_pass http://system-dmd;

proxy\_http\_version 1.1;

# proxy\_set\_header Connection "";

# proxy\_set\_header Host $host;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_read\_timeout 300;

proxy\_connect\_timeout 300;

proxy\_buffering off;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

}

server {

listen 443 ssl;

ssl\_protocols TLSv1.2;

ssl\_prefer\_server\_ciphers on;

ssl\_dhparam /etc/nginx/conf.d/ssl/dhparams.pem;

ssl\_ciphers 'ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-AES256-GCM-SHA384:DHE-RSA-AES128-GCM-SHA256:DHE-DSS-AES128-GCM-SHA256:kEDH+AESGCM:ECDHE-RSA-AES128-SHA256:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-AES128-SHA:ECDHE-ECDSA-AES128-SHA:ECDHE-RSA-AES256-SHA384:ECDHE-ECDSA-AES256-SHA384:ECDHE-RSA-AES256-SHA:ECDHE-ECDSA-AES256-SHA:DHE-RSA-AES128-SHA256:DHE-RSA-AES128-SHA:DHE-DSS-AES128-SHA256:DHE-RSA-AES256-SHA256:DHE-DSS-AES256-SHA:DHE-RSA-AES256-SHA:AES128-GCM-SHA256:AES256-GCM-SHA384:AES128-SHA256:AES256-SHA256:AES128-SHA:AES256-SHA:AES:CAMELLIA:DES-CBC3-SHA:!aNULL:!eNULL:!EXPORT:!DES:!RC4:!MD5:!PSK:!aECDH:!EDH-DSS-DES-CBC3-SHA:!EDH-RSA-DES-CBC3-SHA:!KRB5-DES-CBC3-SHA';

proxy\_http\_version 1.1;

server\_name swm.domain.com;

ssl\_certificate /etc/nginx/conf.d/ssl/swm.domain.com.pem;

ssl\_certificate\_key /etc/nginx/conf.d/ssl/swm.domain.comPrivKey.pem;

ssl\_client\_certificate /etc/nginx/conf.d/ssl/ swm.domain.comCA.pem;

ssl\_verify\_client on;

ssl\_verify\_depth 2;

access\_log /var/log/nginx/access.api.log main;

error\_log /var/log/nginx/error.api.log;

index index.html;

client\_max\_body\_size 5000M;

location /dm {

proxy\_pass http://system-dmd;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_buffering off;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-Proto https;

}

location /dm/swm-1 {

proxy\_pass http://swm-1:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /dm/swm-2 {

proxy\_pass http://swm-2:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /VrmDLServerWEB/servlet/RequestDPServlet {

proxy\_pass http://system-dmd;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /VrmDLServerWEB/servlet/RequestDPServlet/swm-1{

proxy\_pass http://swm-1:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location /VrmDLServerWEB/servlet/RequestDPServlet/swm-2{

proxy\_pass http://swm-2:8080;

proxy\_redirect off;

proxy\_buffering off;

proxy\_max\_temp\_file\_size 0;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location ~\* /(VrmDLServerWEB/servlet/RequestDPServlet|VrmDLServerWEB/servlet/InstallNotify|DPInfo|iMDM/ext|ext|campaignDescription){

proxy\_pass http://system-dmd;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_read\_timeout 300;

proxy\_connect\_timeout 300;

proxy\_buffering off;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

location ~\* /(sma|resource|ex\_resources|OnlineHelp|tf|docs|DPInfo|otaportal){

proxy\_pass http://system-dmd;

proxy\_http\_version 1.1;

# proxy\_set\_header Connection "";

# proxy\_set\_header Host $host;

proxy\_next\_upstream error timeout invalid\_header http\_500 http\_502 http\_503 http\_504;

proxy\_redirect off;

proxy\_read\_timeout 300;

proxy\_connect\_timeout 300;

proxy\_buffering off;

proxy\_set\_header Host $http\_host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto https;

}

}