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1 Category:NHS FS



2 NHSBT Loginext ORDS Support Guide

LogiNext --> <https://nhsbt-websvc01.calidusctms.apteancloud.com/ords/import/order/update/>

(i) cloudflare ACL restricted (ie outside of ACL cloudflare returns "BLOCKED") - accessible through jump server
10.43.9.32 - a URL GET returns ORDS error page in browser - expected behaviour ORDS interaction is via POST only

(ii) apache webserver

172.23.45.227 RUNnhswebSVC1 [172.20.45.227] SPKnhwebSVC1 [172.20.43.227]

apache : nhsbt-websvc01.calidusctms.apteancloud.com 172.23.45.226 80

LOGGING : cd /usr/local/apache-2.4.46/apache2/logs cat access_log | grep
nhsbt-websvc01.calidusctms.apteancloud.com

(iii) (a) apache --> (b) ORDS --> (c) database

172.23.45.226 RUNnhsprdsVC1 [172.20.45.226] SPKnhsprdsVC1 [172.20.43.226]

(a) apache : nhsbt-websvc01.calidusctms.apteancloud.com 127.0.0.1 8500

LOGGING :

cd /usr/local/apache-2.4.46/apache2/logs cat access_log | grep order

(b) ORDS

/oradb19/ords ords_nhstprd stop ords_nhstprd start

ps -ef |grep ords | grep 8500

/oradb19/ords/java/jdk-21.0.5+11-jre/bin/java -Doracle.dbtools.cmdline.home=/oradb19/ords/nhstprd -Duser.language=en
-Duser.region=US -Djava.util.logging.config.file=/oradb19/ords/nhstprd/bin/logging.properties -Djava.awt.headless=true
-Dnashorn.args=--no-deprecation-warning -Doracle.dbtools.cmdline.ShellCommand=ords -Duser.timezone=UTC -jar
/oradb19/ords/nhstprd/ords.war serve --port 8500

NOTE : GENERATED tokens have a default 1 hour expiry

LOGINEXT APPLICATION HAS A ONEOFF 10 YEAR TOKEN

LOGGING :

note : Java logging is set to FINE

cd /tmp ls -ltr ords*

minutely count : ls -tr ords.nhstprd.log* | while read LINE; do cat \$LINE; done | grep order | grep TIM | awk -F"start: "
'{print(\$2)}' | awk -F":" '{print(\$1":"\$2)}' | sort | uniq -c

daily count : ls -tr ords.nhstprd.log* | while read LINE; do cat \$LINE; done | grep order | grep TIM | awk -F"start: "
'{print(\$2)}' | awk -F"TIM" '{print(\$1)}' | sort | uniq -c 2085 2025-11-21 972 2025-11-22 891 2025-11-23 734 2025-11-24

raw ms ordered ls -tr ords.nhstprd.log* | while read LINE; do cat \$LINE; done | grep order | grep TIM | awk -F"duration:"
'{print(\$2)}' | awk -F"ms" '{print(\$1)}' | sort -n > ords.nhstprd.txt



(c) database

note : when querying the ORDS schema login as ordsimport/{password}

```

LOGGING :

select * from ords_metadata.sec_sessions

{Results will be displayed}

select * from user_ords_clients;

```

 ORDS PL/SQL block

```

BEGIN
  ORDS.define_handler(
    p_module_name => 'rest-json-import-order-update',
    p_pattern      => 'update/',
    p_method       => 'POST',
    p_source_type  => ORDS.source_type_plsql,
    p_source       =>
q'[
  declare
    l_response json_object_t := json_object_t();

    CHUNK_SIZE constant pls_integer := 8192;
    vOffset pls_integer := 1;
    vData clob := EMPTY_CLOB();
    vChunk varchar2(CHUNK_SIZE CHAR);

begin

  l_response := mts_owner.dp_loginext.process_inbound(i_message => json_object_t.parse(:body));

  owa_util.mime_header ('application/json', true);

  vData := l_response.to_clob;
  loop
    vChunk := substr (vData, vOffset, CHUNK_SIZE);
    exit when vChunk is null;
    http.prn(vChunk);
    vOffset := vOffset + length(vChunk);
  end loop;

  exception when others then

    l_response := JSON_OBJECT_T.parse ('{"status":"exception","sqlcode":"' || sqlcode || "','sqlerrm":"' || sqlerrm || '"}');
    http.p (l_response.stringify);

end;
]',
    p_items_per_page => 0);

  COMMIT;

END;
/

```

 Postman

<https://nhsbt-websvc01.calidusctms.apteancloud.com/ords/import/oauth/token>



```
select * from user_ords_clients;
```

Grant Type	Client Credentials
Client ID	{from previous query}
Client Secret	{from previous query}
Scope	Bearer
Client Authentication	Send as Basic Auth header

- will generate a token which expires in 1 hour

or just use client 10 year token

A basic test is to just pass a dummy payload to the webservice
{abc}

returns :
{"status":"exception","sqlcode":"-40441","sqlerrm":"ORA-40441: JSON syntax error"}

