

Cognos Configuration Manager 2.7
for IBM Cognos 11.0.x + 11.1.x
(Documentation)



Λ M V Λ R Λ

{ CODE IS POETRY }

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2 Management Summary

Cognos Configuration Manager (CoCoMa) is used to deploy a wide variety of settings into Cognos environments in a standardized, documented and reproducible way, this includes deployment of configuration items as well as content deployment like reports.

CoCoMa is controlled completely from commandline and can be integrated easily and efficiently into fully automated maintenance of IBM Cognos environments.

3 Introduction

This document describes the installation and usage of CoCoMa for Cognos. CoCoMa uses IBM Cognos SDK calls to connect against IBM Cognos portalservices.

CoCoMa has been developed and tested with Cognos 10.2, 11.0.x, 11.1.x and Java 1.8, Windows 7, Windows XP, SLES.

Throughout this documentation the <projectname> or other placeholders (not XML tags) in “<.>” should be replaced with something meaningful.

4 Installation

Unzip CoCoMa_Vxx.zip to a directory of your choice on a workstation or server with access to your reportserver, this maybe your laptop, desktop or the cognosserver itself.

If the Cognos-Server is siteminder secured or is behind a firewall, then run it on the application server, as CoCoMa needs access to the dispatcher URL.

5 De-installation

Just remove any directory and files create during installation. CoCoMa does not create any files outside the installation directory (unless otherwise configured).

6 Running CoCoMa

```
Java -jar CoCoMa_C102_fat.jar --config <configfile>
```

Within the configfile it will be defined if CoCoMa deploys content, creates a backup, writes emails and so on.

To switch between either behaviour simply store one or more configfiles and call CoCoMa with the config file of your desire.

```
Java -jar CoCoMa_C102_fat.jar --config config_deploy_reports_a_to_z.xml
```

```
Java -jar CoCoMa_C102_fat.jar --config config_configure_basic_settings.xml
```

Copy the config file to any other environment and run CoCoMa there to deploy the same settings and content.

7 Configure parameters

Edit config_<projectname>_.xml to your needs.

Each XML file is fully documented within the XML file itself.

See following chapters for more information on certain aspects as needed.

7.1 Example 1 – Import deployment archive

This example shows how to import a deployment archive into a cognos environment.

```
<?xml version="1.0" encoding="UTF-8"?>
<CoCoMa>
<log4jloglevel>INFO</log4jloglevel>
<version>$Revision: 139 $</version>
  <server>
    <dispatcherURL>http://192.168.33.135:9300/p2pd/servlet/dispatch</dispatcherURL>
    <namespace>LDAP</namespace>
    <username>administrator</username>
    <password>jxWkxnSGloWpa2NACfhFVw==</password>
    <version>10</version>
    <!-- ===== -->
    <!-- Using Windows netshares with Java Programm requires -->
    <!-- drive letters to be replace with remote information from command "net use" -->
    <!-- Y:\temp_rrr\deployment > net use -->
    <!-- Neue Verbindungen werden nicht gespeichert. -->
    <!-- Status      Lokal      Remote      Netzwerk -->
    <!-- ===== -->
    <!-- OK          Y:          \\192.168.33.135\c$      Microsoft Windows
Network -->
    <!-- ===== -->
    <!-- Y:\temp_rrr translates into \\192.168.33.135\c$\temp_rrr -->
    <deploymentFolder>\\192.168.33.135\c$\Programme\ibm\cognos\c1021_server\deployment\</deploymentFolder>
  </server>

  <!--
    <mailserver>
      <username>amvara.roeber@extaccount.com</username>
      <host>mailhost</host>
      <port>25</port>
    -->
    <!-- Strategy: TLS -->
  <!--
    <strategy/>
      <password>hdb7fPCDpRl9uORM1zzYMw==</password>
    </mailserver>
  -->

  <backup>
    <name>FullBackup</name>
```



```

    <enabled>false</enabled>
    <password>DRTuZlLmF6Y4KLV78IPZZQ==</password>
    <use_datetimesuffix>true</use_datetimesuffix>
  </backup>

  <deployments>
    <deployment>
      <name>MIF_Arbeitslisten</name>
      <name_set_datetime_suffix>
        <!--
          Set Datetime String as Suffix on deployment name appearing
          in CognosConnection
          true = YYYYMMDD_HHmss will be appended to name
          false = name as specified will be used, if exists older de-
          ployment with same name, it will be overwritten
        -->
        true
      </name_set_datetime_suffix>
      <password>Ad63BGTKYKwoMqGMW3xGYw==</password>
      <prefix_archive_after_deployent>yyyyMMdd_HHmss</prefix_archive_after_de-
      ployent>

      <recordingLevel>
        <!-- basic -->
        full
      </recordingLevel>
      <archive>deployment_incoming/MIFReporting_revision_63252.zip</archive>
      <!--
      <delete_items>
        <item>/content/folder[@name='Samples_PowerCube']</item>
        <item>/content/folder[@name='Samples_PowerCube_Dummy']</item>
      </delete_items>
      -->
      <runCureJar>true</runCureJar>
      <runCureJar_searchPath>
        <!-- reportSearchPath is a CognosSearchPath from Cognos Connection -->
        <!-- /content/folder[@name='Beispiele']//report | /con-
        tent/folder[@name='Beispiele']//query -->
        <!-- ATTENTION!!! following searchpath may read thousands of reports!!!! -
        ->

        //query
      </runCureJar_searchPath>
      <runCureJar_PackagePath>
        <!--
          reportPackagePath is a CognosSearchPath from Cognos
          Connection for the Package that was upgraded
          This element is optional.
        -->
      </runCureJar_PackagePath>
      <mail_sender>amvara.roeber@extaccount.com</mail_sender>
      <mail_recipient>amvara.roeber@extaccount.com</mail_recipient>
      <mail_subject>[MIF] Cognos Autodeployment {HOST} {STATUS}</mail_subject>
      <mail_text>Deployment-Archive: {ARCHIVE}

      Status: {STATUS}
      Date: {DATE}
      Time: {TIME}
      ---
      Cognos Autodeployment using COCOMA Version {VERSION} on Host {HOST}</mail_text>

    </deployment>
  </deployments>

```

```

</deployments>

<curjar_searchpath>
  <!-- reportSearchPath is a CognosSearchPath from Cognos Connection -->
  //query
</curjar_searchpath>

</CoCoMa>

```

7.2 Example 2 – reimport fullbackup

This example shows how to reimport a fullbackup.

[...]

```

<?xml version="1.0" encoding="UTF-8"?>
<CoCoMa>
<log4jloglevel>INFO</log4jloglevel>
<version>$Revision: 139 $</version>
  <server>

```

```

    <!--
    dispatcherURL: This is the URL where to find your Cognos Server.
                    It may be the cgi-bin URL from your webserver or
                    the p2pd URL from your application server as well.
                    Try which one fits your needs best.
    -->
    <dispatcherURL>http://192.168.33.135:9300/p2pd/servlet/dispatch</dispatcherURL>
    <!--
    namespace:      This is the namespace ID configured in Cognos Configuration.
                    Don't be misssguided by the namespace shown in your

```

browser, when

mistake.

you log in. Theses two can be different and are a common

Use the namespaceID you find in CognosConfiguration.

```

    -->
    <namespace>LDAP</namespace>
    <!--
    username:       This is the username of an account that has administrator rights
                    in your enviroment
    -->
    <username>administrator</username>
    <!--
    password:       This is the crypted password of your account. Decryption is done by
                    CoCoMa. So no worry with security hazzards. Empty the

```

password and

ate and store

call CoCoMa with commandline parameter "--setpass" to cre-

a newly crypted password.

```

    -->
    <password>jxWkxnSGIoWpa2NAcfhFVw==</password>
    <version>10</version>
    <!-- ===== -->
    <!-- Using Windows netshares with Java Programm requires -->
    <!-- drive letters to be replace with remote information from command "net use" -->
    <!-- Y:\temp_rrr\deployment > net use -->
    <!-- Neue Verbindungen werden nicht gespeichert. -->
    <!-- Status      Lokal   Remote       Netzwerk -->
    <!-- ===== -->
    <!-- OK          Y:      \\192.168.33.135\c$   Microsoft Windows Network -->
    <!-- ===== -->
    <!-- Y:\temp_rrr translates into \\192.168.33.135\c$\temp_rrr -->
    <!--

```

ment\</deploymentFolder>

```

    </server>

```

```

<!--
Backup:          This sections steers the CoCoMa behavior around creating or not a backup
                  before deployment. It might be usefull for a rollback if something unpredicted
                  happens.

-->
<backup>
  <!--
  name:  name of the archive that will be used for storing the backup.
  -->
  <name>FullBackup</name>
  <!--
  enabled:      true or false. Setting this to true, causes CoCoMa to create a backup
                  before deployment of any other type.
  -->
  <enabled>>false</enabled>
    <!--
    password:    encrypted password for the ZIP archive containing the backup
    -->
    <password>DRTuZILmF6Y4KLV78IPZZQ==</password>
  <!--
  use_datetimesuffix:  true or false. Settings this to true will cause CoCoMa
                        to included a timestamp in the archive name of the ZIP file
                        containing the fullbackup. This might be usefull, for version-
ing.

                        Makes it a little bit difficult to reimport fully automated
                        a backup after some dployment failures. Use it as you like.

  -->
  <use_datetimesuffix>>false</use_datetimesuffix>
</backup>

<!--
deployments:      This sections describes what to deploy into the Cognos environment. It
                  is used to defined content deployments from ZIP-archives, that
                  normally contains reports, modellns and a like.

-->
<deployments>
  <!--
  within the deployments tag, use deployment-tag to define one or more deployments.
  -->
  <deployment>
    <!--
    name:  This defines the name of the import to be shown in Cognos Connection.
    -->
    <name>Reimport_FullBackup_before_after_autodeployment</name>
    <!--
    name_set_datetime_suffix:  true or false. The archive name may be suffixed by a timestamp
                              in cognos connection. Settings
this option to true will
                              put a timestamp behinde the
import archive name in
                              cognos connection.
                              This will not influence the ar-
chive name used on disc.
    -->
    <name_set_datetime_suffix>
      true
    </name_set_datetime_suffix>
    <!--
    password:    if the archive is crypted and secured via password, use this password
                  to tell cognos when importing a secured deployment archive.
    -->
    <password>DRTuZILmF6Y4KLV78IPZZQ==</password>
    <!--
    prefix_archive_after_deployment:  Use this option and CoCoMa will copy the imported
                                      arhive to
<archive_name>+timestamp. In other

```

CoMa adds the actual timestamp to the

words, Co-

archive name.

imported

```
--><prefix_archive_after_deployment>yyyyMMdd_HHmss</prefix_archive_after_deployment>
```

```
<!-- recordingLevel: This is the recording level from Cognos Connection.
```

Could be basic as well. Use it as you

like.

```
-->
```

```
<recordingLevel>
```

```
full
```

```
</recordingLevel>
```

```
<!-- archive:
```

name of the archive to be read from disc.

```
-->
```

```
<archive>FullBackup_before_autodeployment.zip</archive>
```

```
<!-- show_job_history_after_deployment:
```

true or false. No comment. -->

```
<show_job_history_after_deployment>true</show_job_history_after_deployment>
```

```
</deployment>
```

```
</deployments>
```

```
</CoCoMa>
```

[...]

7.3 Example 3 - Configuration of Cognos Server Environment

The following example has to be surrounded by <CoCoMa> and must include <server/> tag. Please refer to previous examples for completeness.

The following example shows how to configure the Cognos UI, create roles, add users to roles, remove users from roles, set capabilities, advanced dispatcher settings on global or dispatcher level and much.

Use this example to reflect the setup to be used with your Cognos environment.

Reproduce this setup without any click on other environments, backups, restores ... save time, have a coffee.

```
<ui>
  <skins>
    <skin>
      <name>Daimler</name>
      <resourceLocation>Daimler</resourceLocation>
      <preview>../skins/Daimler/preview.htm</preview>
    </skin>
  </skins>

  <defaultProfile>
    <skin>Daimler</skin>
    <linesPerPage>999</linesPerPage>
    <listSeparator>background</listSeparator>
  </defaultProfile>
</ui>

<dataSources>
  <dataSource>
    <name>QSUSERDS</name>
    <dbalias>APP0</dbalias>
    <username>cognosro</username>
```

```

        <password>xxx</password>
        <isolationLevel>readUncommitted</isolationLevel>
        <connectionCommands>
            <openConnection/>
            <closeConnection/>
            <openSession>SET CURRENT SCHEMA=MIF_DEV</openSession>
            <closeSession/>
        </connectionCommands>
    </dataSource>

    <dataSource>
        <name>FK1XAT03</name>
        <dbalias>APP0</dbalias>
        <username>cognosro</username>
        <password>xxx</password>
        <isolationLevel>readUncommitted</isolationLevel>
        <connectionCommands>
            <openConnection/>
            <closeConnection/>
            <openSession>SET CURRENT SCHEMA=MIF_DEV</openSession>
            <closeSession/>
        </connectionCommands>
    </dataSource>

    <dataSource>
        <name>Audit</name>
        <dbalias>CRN0</dbalias>
        <username>cognosaud</username>
        <password>xxx</password>
        <isolationLevel>readUncommitted</isolationLevel>
    </dataSource>
</dataSources>
<dispatchers>

    <dispatcher global="true">
        <name>http://ashost0:9082/p2pd</name>
        <loadBalancingMode>weightedRoundRobin</loadBalancingMode>
        <governorLimit>50</governorLimit>
        <peakStartHour>0</peakStartHour>
        <peakEndHour>23</peakEndHour>
        <connectionsHighAffinity>1</connectionsHighAffinity>
        <connectionsLowAffinity>2</connectionsLowAffinity>
        <maxProcessesInteractiveReporting>10</maxProcessesInteractiveReporting>
        <queueTimeoutReporting>120</queueTimeoutReporting>
        <advancedSettings>
            <name>CM.AMVARA_TEST_FROM_CONFIG1</name>
            <value>AMVARA_XXX_FROM_CONFIG1</value>
        </advancedSettings>
        <auditLevel>
            <contentManagerService>BASIC</contentManagerService>
            <reportDataService>REQUEST</reportDataService>
            <eventManagementService>BASIC</eventManagementService>
            <jobService>BASIC</jobService>
            <monitorService>BASIC</monitorService>
            <presentationService>BASIC</presentationService>
            <reportService>REQUEST</reportService>
            <reportServiceNativeQuery>TRUE</reportServiceNativeQuery>
            <systemService>BASIC</systemService>
            <dispatcher>BASIC</dispatcher>
        </auditLevel>
    </dispatcher>

</dispatchers>
<security>
    <roles>
        <role>
            <name>System Administrators</name>
            <keepExisting>true</keepExisting>
            <members>
                <user>apiuser</user>
                <user>rroeber</user>
            </members>
            <removeMembers>
                <group>Everyone</group>
            </removeMembers>
        </role>
    </roles>

```

```

        </removeMembers>
    </role>

    <!-- ===== -->
    <!-- READONLY Administrators -->
    <!-- ===== -->

    <role>
        <name>System Administrators (ReadOnly)</name>
        <members>
            <!-- <user></user> -->
        </members>
    </role>

    <role>
        <name>WorklistUser</name>
        <members>
            <!-- <user></user> -->
            <user>test111</user>
            <user>test2111</user>
            <user>DE_15</user>
            <user>KESSLERA</user>
        </members>
    </role>

    <role>
        <name>QSWorklistUser</name>
        <members>
            <user>test111</user>
            <user>test2111</user>
            <user>DE_15</user>
            <user>KESSLERA</user>
        </members>
    </role>

</roles>

<permissions>
    <permission>
        <target>/content</target>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>WorklistUser</role>
            <role>QSWorklistUser</role>
        </members>
    </permission>

    <permission>
        <target>/con-
tent/folder[@name='MIF_QueryStudio']/folder[@name='MIF_QueryStudio new (3.1)']</target>
        <read>true</read>
        <write>true</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>QSWorklistUser</role>
        </members>
    </permission>

    <permission>
        <target>/content/package[@name="MIF_Adapter"]</target>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>WorklistUser</role>
            <role>QSWorklistUser</role>
        </members>
    </permission>

```

```

    </permission>
    <permission>
      <target>/content/package[@name="MIF_QS3.1_CAVLGL"]</target>
      <read>true</read>
      <write>false</write>
      <execute>true</execute>
      <setPolicy>false</setPolicy>
      <traverse>true</traverse>
      <members>
        <role>QSWorklistUser</role>
      </members>
    </permission>
  </permissions>
</security>
<capabilities>
  <capability>
    <name>Query Studio</name>
    <permission>
      <read>true</read>
      <write>true</write>
      <execute>true</execute>
      <setPolicy>false</setPolicy>
      <traverse>true</traverse>
      <members>
        <role>QSWorklistUser</role>
      </members>
    </permission>
    <features>
      <feature>
        <name>Advanced</name>
        <permission>
          <read>true</read>
          <write>true</write>
          <execute>true</execute>
          <setPolicy>false</setPolicy>
          <traverse>true</traverse>
          <members>
            <role>QSWorklistUser</role>
          </members>
        </permission>
      </feature>
      <feature>
        <name>Create</name>
        <permission>
          <read>true</read>
          <write>true</write>
          <execute>true</execute>
          <setPolicy>false</setPolicy>
          <traverse>true</traverse>
          <members>
            <role>QSWorklistUser</role>
          </members>
        </permission>
      </feature>
    </features>
  </capability>
  <capability>
    <name>Report Studio</name>
    <permission>
      <read>false</read>
      <write>false</write>
      <execute>false</execute>
      <setPolicy>false</setPolicy>
      <traverse>true</traverse>
      <members>
        <role>QSWorklistUser</role>
        <role>WorklistUser</role>
      </members>
    </permission>
    <features>
      <feature>
        <name>User Defined SQL</name>

```

```

        <permission>
            <read>true</read>
            <write>false</write>
            <execute>true</execute>
            <setPolicy>false</setPolicy>
            <traverse>false</traverse>
            <members>
                <role>QSWorklistUser</role>
                <role>WorklistUser</role>
            </members>
        </permission>
    </feature>
    <feature>
        <name>HTML Items in Report</name>
        <permission>
            <read>true</read>
            <write>false</write>
            <execute>true</execute>
            <setPolicy>false</setPolicy>
            <traverse>false</traverse>
            <members>
                <role>QSWorklistUser</role>
                <role>WorklistUser</role>
            </members>
        </permission>
    </feature>
    <feature>
        <name>Bursting</name>
        <permission>
            <read>false</read>
            <write>false</write>
            <execute>false</execute>
            <setPolicy>false</setPolicy>
            <traverse>false</traverse>
            <members>
                <role>QSWorklistUser</role>
                <role>WorklistUser</role>
            </members>
        </permission>
    </feature>
    <feature>
        <name>Create/Delete</name>
        <permission>
            <read>false</read>
            <write>false</write>
            <execute>false</execute>
            <setPolicy>false</setPolicy>
            <traverse>false</traverse>
            <members>
                <role>QSWorklistUser</role>
                <role>WorklistUser</role>
            </members>
        </permission>
    </feature>
</features>
</capability>

<capability>
    <name>Cognos Viewer</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
        <feature>
            <name>Context Menu</name>
            <permission>
                <read>true</read>

```



```

        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Selection</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Run With Options</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Toolbar</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
</feature>
</features>
</capability>

<capability>
    <name>Administration</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Administration</name>
    <permission>

```

```

        <read>true</read>
        <write>true</write>
        <execute>true</execute>
        <setPolicy>true</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Analysis Studio</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Event Studio</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Metric Studio</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Controller Studio</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>

```

```

        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Planning Contributor</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Specification Execution</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Scheduling</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<capability>
    <name>Detailed Errors</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
    <features>
    </features>
</capability>

<!-- ===== -->

```

```

<!-- READONLY Administrators -->
<!-- ===== -->

<capability>
  <name>Administration</name>
  <permission>
    <read>true</read>
    <write>false</write>
    <execute>true</execute>
    <setPolicy>true</setPolicy>
    <traverse>true</traverse>
    <members>
      <role>System Administrators (ReadOnly)</role>
    </members>
  </permission>
  <features>
    <feature>
      <name>Adaptive Analytics Administration</name>
      <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
          <role>System Administrators (ReadOnly)</role>
        </members>
      </permission>
    </feature>
    <feature>
      <name>Administration tasks</name>
      <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
          <role>System Administrators (ReadOnly)</role>
        </members>
      </permission>
    </feature>
    <feature>
      <name>Configure and manage the system</name>
      <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
          <role>System Administrators (ReadOnly)</role>
        </members>
      </permission>
    </feature>
    <feature>
      <name>Controller Administration</name>
      <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
          <role>System Administrators (ReadOnly)</role>
        </members>
      </permission>
    </feature>
    <feature>
      <name>Data Source Connections</name>
      <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>

```

```

        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Distribution Lists and Contacts</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Metric Studio Administration</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Planning Administration</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>PowerPlay Servers</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Printers</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Run activities and schedules</name>
    <permission>
        <read>true</read>

```

```

        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Set capabilities and manage UI profiles</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Styles and portlets</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
<feature>
    <name>Users\, Groups\, and Roles</name>
    <permission>
        <read>true</read>
        <write>false</write>
        <execute>true</execute>
        <setPolicy>false</setPolicy>
        <traverse>true</traverse>
        <members>
            <role>System Administrators (ReadOnly)</role>
        </members>
    </permission>
</feature>
</features>
</capability>

<!-- ===== -->
<!-- Remove 'Show Hidden' option -->
<!-- ===== -->

<capability>
    <name>Hide Entries</name>
    <permission>
        <read>false</read>
        <write>false</write>
        <execute>false</execute>
        <setPolicy>false</setPolicy>
        <traverse>false</traverse>
        <members>
            <role>QSWorklistUser</role>
            <role>WorklistUser</role>
        </members>
    </permission>
</features>
</features>
</capability>

</capabilities>

```

```

<restrictedContent>
  <unrestricted>
    <role>System Administrators</role>
  </unrestricted>
  <visible>
    <searchPath>/content/folder[@name='MIF_QueryStudio']</searchPath>
  </visible>
</restrictedContent>

```

7.4 Example 4 – Remove unwanted report versions

This example shows how to remove unwanted reports version in specific search path.

ReportVersion element will help us with that. ReportVersion accepts “dryRun” as an optional parameter to whether or not to commit changes to Content Store.

ReportVersion accepts searchPath as mandatory element with will contain the information about the reports on which we would like to remove older reports versions of.

SearchPath accepts “keepLatest” as a mandatory parameter with will let the code know many newest versions of specific report we would like to keep. SearchPath also accepts “dryRun” parameter, which is an optional parameter that will overwrite reportVersions “dryRun” behaviour for specified searchPath.

```

<?xml version="1.0" encoding="UTF-8"?>
<CoCoMa>
  <log4jloglevel>INFO</log4jloglevel>
  <version>$Revision: 139 $</version>
  <server>
    <dispatcherURL>http://127.0.0.1:9300/bi/v1/disp</dispatcherURL>
    <namespace>LDAP</namespace>
    <username>administrator</username>
    <password>jxWkxnSGloWpa2NAcfhFVw==</password>
    <version>10</version>
  </server>

  <!--
    ReportVersions:
      @dryRun<Boolean> (Default: true): If false will remove all the report
      version found, if true will not remove them but will still output what report versions
      will be removed.
      SearchPath<String>: Search path that will contains report type objects,
      like Report, Query, etc.
      @keepLatest<Integer>: Keep latest will keep newest x report ver-
      sions.
      @dryRun<Boolean>: This attribute will overwrite reportVersion's
      dryRun value for this searchPath only.
    -->
    <reportVersions dryRun="false">
      <searchPath keepLatest="2">CAMID("LDAP:u:uid=asohail\,ou=employ-
      ees")/folder[@name='My Folders']/report[@name='Empty_Example_Report']</searchPath>
      <searchPath dryRun="true" keepLatest="1">CAMID("LDAP:u:uid=aso-
      hail\,ou=employees")/folder[@name='My Folders']/report[@name='Empty_Example_Re-
      port_2']</searchPath>
    </reportVersions>
  </CoCoMa>

```

7.5 Configure Password

The password is recorded in a crypted manor.

To encrypt a different or new password, run the program with command-line options:

```
java -jar CoCoMa_C102_fat.jar --config config.xml --setpass
```

“--crypt <password>” as commandline option will encrypted the cleartext password:

```
java -jar CoCoMa_C102_fat.jar --crypt <cleartext password>
```

Be careful using the --crypt option, as passwords may be stored in commandline history.

7.6 Using Searchpath

The IBM Cognos searchpath is Xpath encoded (see example documentation http://www.ibm.com/developerworks/data/library/cognos/development/how_to/page129.html?ca=drs-)

Generally speaking each item in Cognos Connection has a search-path, it can be retrieved using the properties icon > general tab > upper right corner > searchpath.

Adding „<searchpath>//query“ will retrieve all QueryStudio Reports

Adding „<searchpath>//report“ will retrieve all QueryStudio Reports.

Multiple searchpathes can be concatenated with a pipe („|“)

A searchpath of „//report | //query“ retrieves all QS and RS reports in the whole Cognos System (!be carefull!).

Hint: The searchpath is case sensitive and language sensitive. If you paste a german searchpath and the user retrieving the report via the program has an English default profile, this may cause unstable behavior.

WARNING! Be carefull when using the options above on production machines with more than 1000 reports. The server load produced in the ContentManager Service can rise significant. To evaluate the programmed functions it is preferable to start with a subfolder folder or one single report.

Example:

```
<reportSearchPath>
  <!-- reportSearchPath is a CognosSearchPath from Cognos Connection -->
  <!-- /content/folder[@name='Beispiele']//report | /content/folder[@name='Beispiele']//query -->
  /content/folder[@name='Samples']/folder[@name='00 - Berichtsvorlagen']//report |
  /content/folder[@name='samples']/folder[@name='00 - Berichtsvorlagen']//query
</reportSearchPath>
```


7.7 Loglevel

The tag loglevel defines the amount of logfile information written to log4.log. It can be INFO (general information) or DEBUG (lots of information).

Also see log4j.properties for further configuration.

A logfile may be written outside of CoCoMa directory, if set so in log4j.properties.

8 Command Line parameters

--donotaskforbackup
--config <configfile.xml>
--check
--setpass
--phasedeployment
--console
--dispatcherinfo
--version
--phasedpeloymment
--phasecontent
--phasebasic
--advancedDispatcherSetting

9 Execute CoCoMa

Open a command line (DOS box or bash) and execute:

```
java -jar CoCoMa_C102_fat.jar --config <configfile.xml>
```

The details to setup the configfile have been described before.

10 Warranty / Disclaimer

There is no warranty that the program will not harm your environment. We have tested and taken any action possible to deliver everything needed to make the program save, stable, easy to handle and behave accurate in any way. But still your environment, your usage or other not foreseen circumstances may lead to improper function which might result in damage or loss of data. We cannot be held liable for any infringement, damage, or loss caused by the use of the program.

The program uses IBM Cognos SDK examples. You might need a proper, different or other license for IBM Cognos to operate the program. See license for details. We cannot be held liable for any infringement caused by improperly licensed environments or changed license resulting from using this program. We hereby inform you to contact your local IBM representative to obtain such a license.

11 License

The usage of CoCoMa is unlimited and free of charge.

CoCoMa is open source. The libraries used for communication with IBM Cognos server are not open source and property of IBM.

If CoCoMa is used frequently without evaluation purpose and produces benefits a sponsorship and support contract with AMVARA is welcome (see contact details).

CoCoMa uses code from IBM Cognos SDK examples. A proper license for IBM Cognos might be required to use Validator. Please contact your local IBM representative for details. Call us if your need help.

12 Contact

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Discord: <https://discord.gg/68EScd76>

13 Courtesy

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