Distribute Static Content

# Actors

DDC System

Distribution Partner

# Activities

## 1. Fetch transport profile

Retrieve the transport profile for the designated content provider.

## 2. Check for metadata in package

Check to make sure metadata was included in the package as per the distribution profile.

## 3. Metadata packaged?

Decision node with two branches:  
1. "No" -- meaning metadata has NOT been packaged, exit and   
2. "Yes", metadata has been packaged correctly, proceed.

## 3a Check feeds for validity

Check to make sure outbound allowable feed protocols are supported by DDC.

## 3b. Notify DDC Ops

This activity notifies DDC Ops, usually in cases of error.

## 4. Valid feeds in transport profile?

Decision node with two outcomes:  
1. No -- feeds specified are not valid, notify DDC Ops and exit  
2. Yes -- feeds specified are valid, proceed.

## 5. Fetch distribution partner encryption key

Content to be distributed can be encrypted either with the partner's public key or with a previously established symmetric key. This fetches the key to be used for content encryption.

## 6. Establish connection

Connect to the partner's system using method specified in the transport profile.

## 7. Transmit package

Commence the delivery of the package itself.

## 8. Contact partner for confirmation

Once delivery has completed, this notifies the content provider that delivery has ended and requests confirmation of a successful delivery.

## 9. Check transmission

This assumes that the distribution partner will compute the checksums of transmitted packages and compare them with the checksums provided.

## 10. Successful?

Decision node with two outcomes:  
1. No -- transmission was not successful, log error  
2. Yes -- transmission was successful, proceed.

## 10a. Log error

Log whatever error has occurred via the standard error logging mechanism.

## 11. Restart required as per transport profile?

Decision node with two outcomes:  
1. Yes -- restart is required, re-establish connection, transmit again  
2. No -- restart is not required, notify content providers and terminate.

## 10b. Ack success

Transmission successful, note the ack and proceed.

## 12. Notify content providers

Notify content providers regarding content distribution (both successful and failed.)

# Preconditions

1. Assets and metadata have already been packaged  
2. Transport profiles contain valid feeds.

# Postconditions

Content providers notified upon completion.