

ADT Agent Configuration Guide

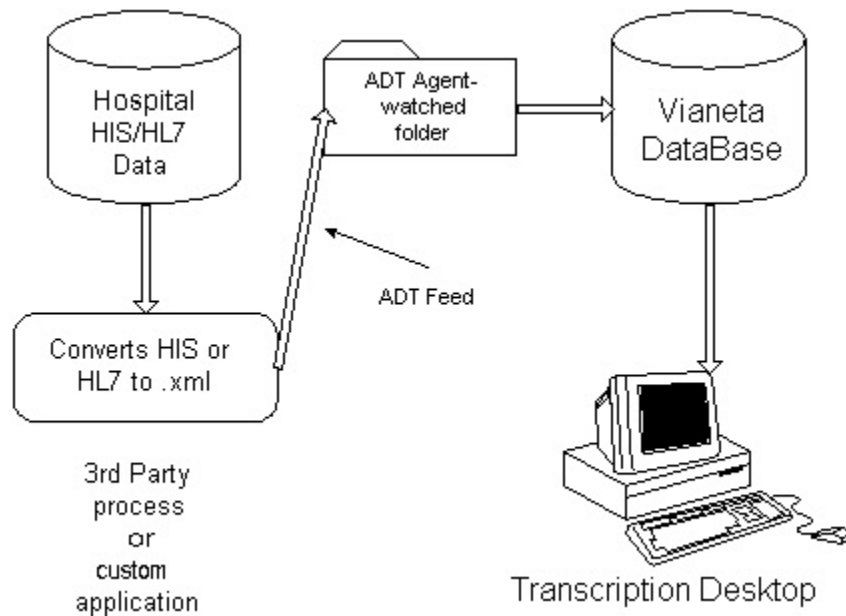
What is ADT Data?

ADT stands for Admission/Discharge/Transfer.

ADT data is patient-related data from a hospital's HIS system. The data is usually sent in HL7 format to a 3rd party tool or other process that converts the data into .xml (the format for this .xml is explained later in this document).

How does the ADT Agent Work?

The set of .xml files containing the ADT information is considered the ADT feed. The Vianeta ADT Agent receives the ADT feed and uploads it to the database. More specifically, the Agent looks for .xml files in a (configurable) directory (folder) and puts them into a MSMQ (Microsoft's message queuing server) queue. A separate thread or process monitors that queue and uploads the data into the database. The data is then available for population in the Patient Information screen in Vianeta's Transcription Desktop product.



How is the ADT Agent Configured?

The ADT Agent is configured via fields within the vNetADTConfig.xml file:

```

<?xml version="1.0" ?>
- <vNetADTServerConfiguration>
+ <TerminalInfo>
+ <TranscriptionService>
- <SystemConfiguration>
  <ConfigurationUrl>ConfigurationEditor.htm</ConfigurationUrl>
  - <UploadInterval>
    <Hours />
    <Minutes>10</Minutes>
    <Seconds>00</Seconds>
  </UploadInterval>
  - <WatchInterval>
    <Hours />
    <Minutes>10</Minutes>
    <Seconds>00</Seconds>
  </WatchInterval>
  - <DataCenterServer>
    <TimeOut>5</TimeOut>
    <MaxRetries>3</MaxRetries>

    <Authenticate>https://desktop.vianeta.com/ADT/Authenticate.asp</Authenticate>

    <Outgoing>https://desktop.vianeta.com/ADT/ADTFee
    d.asp</Outgoing>
  </DataCenterServer>
  - <SiteDetail>
    <Id>10</Id>
    <Folder>v:\ADTxml</Folder>
  </SiteDetail>
</SystemConfiguration>
</vNetADTServerConfiguration>

```

The important fields to note include:

UploadInterval: - Hours - Minutes - Seconds	Interval to wait between attempts to upload data to database from queue.
WatchInterval: - Hours - Minutes - Seconds	Interval to wait between attempts to check for .xml files in the Folder (described below), and place them into the queue.

DataCenterServer: - TimeOut - MaxRetries - Authenticate - Outgoing	TimeOut interval and maximum number of retries for DataCenterServer status checking/etc.
SiteDetail: - Id - Folder	It is possible to configure multiple folders by adding new ID and Folder items here. Be sure to use a unique ID for each folder.

Format for .xml Files Generated from HIS Data

It is possible to generate the .xml files for the ADT Data Feed “manually”, not using a 3rd party process or even any Vianeta processes. In fact, the HIS data does not have to be HL7.

The following format must be followed when generating the .xml files from HIS (usually) HL7 data:

```

= <vNetADTInfo>
  <BillingNumber />
  <MRN />
  = <PatientInfo>
    <FirstName />
    <LastName />
    <MI />
    <Sex />
    <DOB />
    <SSN />
  </PatientInfo>
  = <VisitInfo>
    <VisitID />
    <AdmissionDate />
    <DischargeDate />
    <SurgeryDate />
    <RoomNumber />
    <BedNumber />
  </VisitInfo>
  = <PhysicianInfo>
    <ID />
    <FirstName />
    <LastName />
    <MI />
    <Role>Attending Physician</Role>
  </PhysicianInfo>
  = <PhysicianInfo>
    <ID />

```

```

    <FirstName />
    <LastName />
    <MI />
    <Role>Admitting Physician</Role>
  </PhysicianInfo>
- <PhysicianInfo>
  <ID />
  <FirstName />
  <LastName />
  <MI />
  <Role>Referring Physician</Role>
</PhysicianInfo>
- <PhysicianInfo>
  <ID />
  <FirstName />
  <LastName />
  <MI />
  <Role>Consulting Physician</Role>
</PhysicianInfo>
- <CustomInfo>
  <Field1 />
  <Field2 />
  <Field3 />
</CustomInfo>
</vNetADTInfo>

```

Note the CustomInfo fields at the end of the listing. These fields can be used to pass custom data to the database. Up to 50 custom fields are supported in the .xml file. The fields are not created dynamically in the database; consequently, the fields must already exist (be set up) in the ADT_CustomData_Tab table in the database prior to sending the .xml file, AND, custom fields cannot be added or removed from the .xml file without a change in the database reflecting the modifications first. The database tables are described below.

Database Tables Related to the ADT Agent

The database tables used by the ADT Agent include:

ADT_CustomData_Tab	This table stores all of the custom data from the custom fields (<Field1>, etc.) in the ADT data feed .xml file.
ADT_MetaData_Tab	This is where the custom fields coming in through the ADT feed for each site location are defined.
ADT_PatientInfo_Tab	The main table, it contains patient information.
ADT_Physician_Tab	Physician information is stored in this table.
ADT_PhysicianRoleMap_Tab	This table defines the 4 types of Physicians that can be

	associated with the ADT data: Attending Physician, Referring Physician, Consulting Physician, and Admitting Physician.
ADT_Process_Options_Tab	If the data coming in from one site location needs to be available across other site locations of the same site, that configuration is stored in this table.
ADT_VisitInfo_Tab	Visit information is stored here, for each MRN in the PatientInfo table.