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### Revision Summary

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1 Introduction

The Exchange ActiveSync: Notes Class Protocol enables the communication of notes data between a mobile device and the server in the ActiveSync Protocol.

Sections 1.5, 1.8, 1.9, 2, and 3 of this specification are normative. All other sections and examples in this specification are informative.

1.1 Glossary

This document uses the following terms:

**Hypertext Markup Language (HTML):** An application of the Standard Generalized Markup Language (SGML) that uses tags to mark elements in a document, as described in [HTML].

**Inter-Personal Mail (IPM):** Typical user messaging items, such as email and calendar items.

**plain text:** Text that does not have markup. See also plain text message body.

**Rich Text Format (RTF):** Text with formatting as described in [MSFT-RTF].

**Wireless Application Protocol (WAP) Binary XML (WBXML):** A compact binary representation of XML that is designed to reduce the transmission size of XML documents over narrowband communication channels.

**XML:** The Extensible Markup Language, as described in [XML1.0].

**XML element:** An XML structure that typically consists of a start tag, an end tag, and the information between those tags. Elements can have attributes and can contain other elements.

**XML namespace:** A collection of names that is used to identify elements, types, and attributes in XML documents identified in a URI reference [RFC3986]. A combination of XML namespace and local name allows XML documents to use elements, types, and attributes that have the same names but come from different sources. For more information, see [XMLNS-2ED].

**XML schema:** A description of a type of XML document that is typically expressed in terms of constraints on the structure and content of documents of that type, in addition to the basic syntax constraints that are imposed by XML itself. An XML schema provides a view of a document type at a relatively high level of abstraction.

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as defined in [RFC2119]. All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the Errata.

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

1.3 Overview

This protocol describes the XML representation of notes that are used for client and server communication as described in [MS-ASCMD]. The notes data is included in protocol command requests when notes data is sent from the client to the server, and is included in protocol command responses when notes data is returned from the server to the client.

1.4 Relationship to Other Protocols

This protocol describes the XML representation of notes that is used by the command requests and command responses that are described in [MS-ASCMD]. The protocol governing the transmission of these commands between the client and the server is described in [MS-ASCMD]. The Wireless Application Protocol (WAP) Binary XML (WBXML), as described in [MS-ASWBXML], is used to transmit the XML markup that constitutes the request body and the response body.

All simple data types in this document conform to the data type definitions that are described in [MS-ASDTYPE].

For conceptual background information and overviews of the relationships and interactions between this and other protocols, see [MS-OXPROTO].

1.5 Prerequisites/Preconditions

None.

1.6 Applicability Statement

This protocol describes a set of XML elements that are used to communicate notes data when using the commands that are described in [MS-ASCMD]. This set of elements is applicable when communicating notes information between a mobile device and a server. Except where indicated,
these elements are not applicable when communicating other types of information that are supported by the ActiveSync protocol.

1.7 Versioning and Capability Negotiation
None.

1.8 Vendor-Extensible Fields
None.

1.9 Standards Assignments
None.
2 Messages

2.1 Transport

This protocol consists of a series of XML elements that are embedded inside of a command request or command response, as specified in [MS-ASCMD].

The XML markup that constitutes the request body or the response body that is transmitted between the client and the server uses Wireless Application Protocol (WAP) Binary XML (WBXML), as specified in [MS-ASWBXML].

2.2 Message Syntax

The XML schema for the Notes namespace is described in section 6.

The markup that is used by this protocol MUST be well-formed XML, as specified in [XML].

2.2.1 Namespaces

This specification defines and references various XML namespaces using the mechanisms specified in [XMLNS]. Although this specification associates a specific XML namespace prefix for each XML namespace that is used, the choice of any particular XML namespace prefix is implementation-specific and is not significant for interoperability.

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<thead>
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<th>Namespace URI</th>
<th>Reference</th>
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<td>AirSyncBase</td>
<td>[MS-ASAIRS]</td>
</tr>
<tr>
<td>(none)</td>
<td>Notes</td>
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</tr>
<tr>
<td>airsync</td>
<td>AirSync</td>
<td>[MS-ASCMD] section 2.2.1.21</td>
</tr>
<tr>
<td>itemoperations</td>
<td>ItemOperations</td>
<td>[MS-ASCMD] section 2.2.1.10</td>
</tr>
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<td>[XMLSCHEMA1]</td>
</tr>
</tbody>
</table>

2.2.2 Elements

Elements of the Notes class are defined in two namespaces: Notes and AirSyncBase. All Notes class elements are specified in this document; elements defined in the AirSyncBase namespace are further specified in [MS-ASAIRS].

Except where otherwise specified in the following sections, each element of the Notes class is used in ActiveSync command requests and responses as follows:

- As an optional child element of the itemoperations:Schema element ([MS-ASCMD] section 2.2.3.158) in ItemOperations command requests ([MS-ASCMD] section 2.2.1.10)
- As an optional child element of the itemoperations:Properties element ([MS-ASCMD] section 2.2.3.139.2) in ItemOperations command responses
- As an optional child element of the search:Properties element ([MS-ASCMD] section 2.2.3.139.3) in Search command responses ([MS-ASCMD] section 2.2.1.16)
As an optional child element of the `airsync:ApplicationData` element ([MS-ASCMD] section 2.2.3.11) in `Sync` command requests ([MS-ASCMD] section 2.2.1.21)

As an optional child element of the `airsync:ApplicationData` element ([MS-ASCMD] section 2.2.3.11) in `Sync` command responses

The following table summarizes the set of common XML schema element definitions defined by this specification. XML schema element definitions that are specific to one or more particular operations are specified further in sections 3.1.5.1, 3.1.5.2, 3.1.5.3, 3.2.5.1, 3.2.5.2, and 3.2.5.3.

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<th>Description</th>
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<td><code>airsyncbase:Body</code> (section 2.2.2.1)</td>
<td>The text of the note.</td>
</tr>
<tr>
<td><code>Subject</code> (section 2.2.2.6)</td>
<td>The subject of the note.</td>
</tr>
<tr>
<td><code>MessageClass</code> (section 2.2.2.5)</td>
<td>The form of the message.</td>
</tr>
<tr>
<td><code>LastModifiedDate</code> (section 2.2.2.4)</td>
<td>The day and time that the note was last changed by the user.</td>
</tr>
<tr>
<td><code>Categories</code> (section 2.2.2.2)</td>
<td>A collection of labels assigned to the note.</td>
</tr>
<tr>
<td><code>Category</code> (section 2.2.2.3)</td>
<td>One of the user-assigned labels applied to the note.</td>
</tr>
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</table>

### 2.2.2.1 Body

The `airsyncbase:Body` element is a container ([MS-ASDTYPE] section 2.2) element that specifies the text of the note. It is defined as an element in the `AirSyncBase` namespace and is used in ActiveSync command requests and responses as specified in section 2.2.2.

The `airsyncbase:Type` element ([MS-ASAIRS] section 2.2.2.41.1) (a required child element of the `airsyncbase:Body` element) MUST be set to one of the following values.

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<th>Meaning</th>
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<tr>
<td>2</td>
<td>HTML</td>
</tr>
<tr>
<td>3</td>
<td>Rich Text Format (RTF)</td>
</tr>
</tbody>
</table>

When the `airsyncbase:Body` element is used in a `Sync` command request or response ([MS-ASCMD] section 2.2.1.21), the `airsyncbase:Data` element ([MS-ASAIRS] section 2.2.2.20.1) is a required child element of the `airsyncbase:Body` element.

For more details about the `airsyncbase:Body` element, see [MS-ASAIRS] section 2.2.2.9.

### Protocol Versions

The following table specifies the protocol versions that support this element. The client indicates the protocol version being used by setting either the MS-ASPProtocolVersion header, as specified in [MS-ASHTTP] section 2.2.1.1.2.6, or the Protocol version field, as specified in [MS-ASHTTP] section 2.2.1.1.1, in the request.

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### 2.2.2.2 Categories

The **Categories** element is a **container** ([MS-ASDTYPE] section 2.2) element that specifies a collection of labels assigned to the note. It is defined as an element in the **Notes** namespace and is used in ActiveSync command requests and responses as specified in section 2.2.2.

The **Categories** element has the following child element:

- **Category** (section 2.2.2.3): Zero or more instances of this element are allowed.

### Protocol Versions

The following table specifies the protocol versions that support this element. The client indicates the protocol version being used by setting either the MS-ASProtocolVersion header, as specified in [MS-ASHTTP] section 2.2.1.1.2.6, or the **Protocol version** field, as specified in [MS-ASHTTP] section 2.2.1.1.1, in the request.

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<td>14.1</td>
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<td>16.0</td>
<td>Yes</td>
</tr>
<tr>
<td>16.1</td>
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</tr>
</tbody>
</table>

### 2.2.2.3 Category

The **Category** element is an optional child element of the **Categories** element (section 2.2.2.2) that specifies a user-selected label that has been applied to the note. It is defined as an element in the **Notes** namespace.

The value of this element is a **string** data type, as specified in [MS-ASDTYPE] section 2.7.

### Protocol Versions

...
The following table specifies the protocol versions that support this element. The client indicates the protocol version being used by setting either the MS-ASProtocolVersion header, as specified in [MS-ASHTTP] section 2.2.1.1.2.6, or the Protocol version field, as specified in [MS-ASHTTP] section 2.2.1.1.1, in the request.

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<tr>
<td>16.1</td>
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2.2.2.4 LastModifiedDate

The LastModifiedDate element specifies when the note was last changed. It is defined as an element in the Notes namespace and is used in ActiveSync command requests and responses as specified in section 2.2.2.

The value of the LastModifiedDate element is a string data type represented as a Compact DateTime ([MS-ASDTYPE] section 2.7.2).

Protocol Versions

The following table specifies the protocol versions that support this element. The client indicates the protocol version being used by setting either the MS-ASProtocolVersion header, as specified in [MS-ASHTTP] section 2.2.1.1.2.6, or the Protocol version field, as specified in [MS-ASHTTP] section 2.2.1.1.1, in the request.

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<tr>
<td>16.0</td>
<td>Yes</td>
</tr>
<tr>
<td>16.1</td>
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</tbody>
</table>
2.2.2.5 MessageClass

The MessageClass element is a required element that specifies the Inter-Personal Mail (IPM) type of the note. It is defined as an element in the Notes namespace.

The value of this element is a string data type, as specified in [MS-ASDTYPE] section 2.7.

The value of the MessageClass element MUST be either "IPM.StickyNote" or "IPM.StickyNote.*", where "*" represents an arbitrary string chosen by the client or server.

Protocol Versions

The following table specifies the protocol versions that support this element. The client indicates the protocol version being used by setting either the MS-ASProtocolVersion header, as specified in [MS-ASHTTP] section 2.2.1.1.2.6, or the Protocol version field, as specified in [MS-ASHTTP] section 2.2.1.1.1, in the request.

<table>
<thead>
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</thead>
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<tr>
<td>16.0</td>
<td>Yes</td>
</tr>
<tr>
<td>16.1</td>
<td>Yes</td>
</tr>
</tbody>
</table>

2.2.2.6 Subject

The Subject element specifies the subject of the note. It is defined as an element in the Notes namespace and is used in ActiveSync command requests and responses as specified in section 2.2.2.

The value of this element is a string data type, as specified in [MS-ASDTYPE] section 2.7.

Protocol Versions

The following table specifies the protocol versions that support this element. The client indicates the protocol version being used by setting either the MS-ASProtocolVersion header, as specified in [MS-ASHTTP] section 2.2.1.1.2.6, or the Protocol version field, as specified in [MS-ASHTTP] section 2.2.1.1.1, in the request.

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</table>
3 Protocol Details

3.1 Client Details

3.1.1 Abstract Data Model

This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

**Notes class:** A structured XML text block that adheres to the XML schema definition specified in section 2.2. It is returned by the server to the client as part of a full XML response to the client command requests that are specified in section 3.1.5. It is included in command requests that are sent from the client to the server to retrieve or synchronize notes.

**Command request:** A WBXML-formatted message that adheres to the command schemas specified in [MS-ASCMD].

3.1.2 Timers

None.

3.1.3 Initialization

None.

3.1.4 Higher-Layer Triggered Events

3.1.4.1 Synchronizing Notes Data Between Client and Server

A client initiates synchronization of Notes class data with the server by sending a Sync command request ([MS-ASCMD] section 2.2.1.21) to the server.

3.1.4.2 Searching a Server for Notes

A client searches for Notes class data by sending a Search command request ([MS-ASCMD] section 2.2.1.16) to the server.

3.1.4.3 Requesting Details for One or More Notes

A client requests Notes class data for one or more individual notes by sending an ItemOperations command request ([MS-ASCMD] section 2.2.1.10) to the server that contains one or more itemoperations:Fetch elements ([MS-ASCMD] section 2.2.3.67.1).

3.1.5 Message Processing Events and Sequencing Rules

3.1.5.1 ItemOperations Command Request

A client uses an ItemOperations command request ([MS-ASCMD] section 2.2.1.10) to retrieve data from the server for one or more specific Notes class items.
**Notes** class elements cannot be included in an **ItemOperations** command request.

### 3.1.5.1.1 airsyncbase:Body Element

If a client cannot display the data type specified by the **airsyncbase:Type** element (a required child element of the **airsyncbase:Body** element (section 2.2.2.1) in the **ItemOperations** command response ([MS-ASCMD] section 2.2.1.10)), as specified in [MS-ASAIRS] section 2.2.2.41.1), the client can ignore the **airsyncbase:Body** element.

#### 3.1.5.2 Search Command Request

A client uses the **Search** command request ([MS-ASCMD] section 2.2.1.16) to retrieve **Notes** class items that match the criteria specified by the client.

Elements that belong to the **Notes** class, as specified in section 2.2.2, MUST NOT be included in a **Search** command request.

#### 3.1.5.3 Sync Command Request

A client uses the **Sync** command request ([MS-ASCMD] section 2.2.1.21) to synchronize its **Notes** class items for a specified user with the notes currently stored by the server.

Any of the elements that belong to the **Notes** class, as specified in section 2.2.2, can be included in a **Sync** command request as child elements of the **airsync:ApplicationData** element ([MS-ASCMD] section 2.2.3.11) within either an **airsync:Add** element ([MS-ASCMD] section 2.2.3.7.2) or an **airsync:Change** element ([MS-ASCMD] section 2.2.3.24).

The **airsync:Supported** element ([MS-ASCMD] section 2.2.3.179) MUST NOT be included in a **Sync** command request for the **Notes** class.

When an existing note is updated with an **airsync:Change** element in a **Sync** command, the command will contain all required elements of the note.

#### 3.1.5.3.1 LastModifiedDate Element

The client can omit the **LastModifiedDate** element (section 2.2.2.4) from the **Sync** command request ([MS-ASCMD] section 2.2.1.21). If it is included in a **Sync** command request, the server will ignore it.

#### 3.1.5.3.2 MessageClass Element

If a client changes the **MessageClass** element (section 2.2.5) value on an existing note, the **MessageClass** element value MUST conform to the requirements specified in section 2.2.2.5.

### 3.1.6 Timer Events

None.

### 3.1.7 Other Local Events

None.
3.2 Server Details

3.2.1 Abstract Data Model
This section describes a conceptual model of possible data organization that an implementation maintains to participate in this protocol. The described organization is provided to facilitate the explanation of how the protocol behaves. This document does not mandate that implementations adhere to this model as long as their external behavior is consistent with that described in this document.

Notes class: A structured XML text block that adheres to the XML schema specified in section 2.2. It is returned by the server as part of a full XML response to the client requests specified in section 3.1.5.

The server can return zero or more Notes class XML blocks in its response, depending on how many notes match the criteria specified by the client command request. The server returns a Notes class XML block for every note that matches the criteria specified by the client command request.

Command response: A WBXML-formatted message that adheres to the command schemas specified in [MS-ASCMD].

3.2.2 Timers
None

3.2.3 Initialization
None.

3.2.4 Higher-Layer Triggered Events

3.2.4.1 Synchronizing Notes Data Between Client and Server
Synchronization of Notes class data between client and server is initiated by the client, as specified in section 3.1.4.1. The server responds with a Sync command response ([MS-ASCMD] section 2.2.1.21).

3.2.4.2 Searching for Notes Data
Searching for Notes class data is initiated by the client, as specified in section 3.1.4.2. The server responds with a Search command response ([MS-ASCMD] section 2.2.1.16).

3.2.4.3 Retrieving Details for One or More Notes
Retrieval of Notes class data for one or more individual notes is initiated by the client, as specified in section 3.1.4.3. The server responds with an ItemOperations command response ([MS-ASCMD] section 2.2.1.10).

3.2.5 Message Processing Events and Sequencing Rules

3.2.5.1 ItemOperations Command Response
When a client uses an ItemOperations command request ([MS-ASCMD] section 2.2.1.10) to retrieve data from the server for one or more notes items, as specified in section 3.1.5.1, the server responds with an ItemOperations command response.
Any of the elements that belong to the Notes class, as specified in section 2.2.2, can be included in an ItemOperations command response. If an itemoperations:Schema element ([MS-ASCMD] section 2.2.3.158) is included in the ItemOperations command request, then the elements returned in the ItemOperations command response MUST be restricted to the elements that were included as child elements of the ItemOperations:Schema element in the command request.

Notes class elements are returned as child elements of the itemoperations:Properties element ([MS-ASCMD] section 2.2.3.139) in the ItemOperations command response.

### 3.2.5.2 Search Command Response

When a client uses the Search command request ([MS-ASCMD] section 2.2.1.16) to retrieve Notes class items that match the criteria specified by the client, as specified in section 3.1.5.2, the server responds with a Search command response.

Any of the elements that belong to the Notes class, as specified in section 2.2.2, can be included in a Search command response.

Notes class elements are returned as child elements of the search:Properties element ([MS-ASCMD] section 2.2.3.139) in the Search command response.

### 3.2.5.3 Sync Command Response

When a client uses the Sync command request ([MS-ASCMD] section 2.2.1.21) to synchronize its Notes class items for a specified user with the notes currently stored by the server, as specified in section 3.1.5.3, the server responds with a Sync command response.

Any of the elements for the Notes class, as specified in section 2.2.2, can be included in a Sync command response as child elements of the airsync:ApplicationData element ([MS-ASCMD] section 2.2.3.11) within either an airsync:Add element ([MS-ASCMD] section 2.2.3.7.2) or an airsync:Change element ([MS-ASCMD] section 2.2.3.24).

When an existing note is updated by using an airsync:Change element in a Sync command request, the command request will contain required all elements of the note. If the Categories element (section 2.2.2.2) or a child of the Categories element (section 2.2.2.3) that was previously set is missing, the server will delete that property from the note. The absence of an airsynccbase:Body element (section 2.2.2.1) or a Subject element (section 2.2.2.6) within an airsync:Change element is not to be interpreted as an implicit delete.

If the airsync:Supported element ([MS-ASCMD] section 2.2.3.179) is included in a Sync command request for Notes class data, the server returns a Status element with a value of 4, as specified in [MS-ASCMD] section 2.2.3.177.17.

#### 3.2.5.3.1 LastModifiedDate Element

The LastModifiedDate element (section 2.2.2.4) is not required in the Sync command request, but it is required in the Sync command response ([MS-ASCMD] section 2.2.1.21).

If a Sync command request includes the LastModifiedDate element, the server ignores the element and returns the actual time that the note was last modified.

#### 3.2.5.3.2 MessageClass Element

If a client submits a Sync command request ([MS-ASCMD] section 2.2.1.21) that contains a MessageClass element value that does not conform to the requirements specified in section 2.2.2.5, the server MUST respond with a Status element with a value of 6, as specified in [MS-ASCMD] section 2.2.3.177.17.
3.2.6 Timer Events

None.

3.2.7 Other Local Events

None.
4 Protocol Examples

The following example demonstrates a client request to synchronize notes data with the server, and the server response. In this example, the client uses the Sync command request ([MS-ASCMD] section 2.2.1.21) to create one note, update one note that does not exist on the server, and delete one note.

Request:

```xml
<?xml version="1.0" encoding="utf-8"?>
<Sync
xmlns:airsyncbase="AirSyncBase"
xmlns:notes="Notes" xmlns="AirSync">
<Collections>
  <Collection>
    <SyncKey>398434774</SyncKey>
    <CollectionId>8</CollectionId>
    <DeletesAsMoves>1</DeletesAsMoves>
    <GetChanges>1</GetChanges>
    <WindowSize>512</WindowSize>
    <Options>
      <airsyncbase:BodyPreference>
        <airsyncbase:Type>2</airsyncbase:Type>
        <airsyncbase:TruncationSize>5120</airsyncbase:TruncationSize>
        <airsyncbase:AllOrNone>1</airsyncbase:AllOrNone>
      </airsyncbase:BodyPreference>
    </Options>
    <Commands>
      <Add>
        <ClientId>c212ac10-0465-4983-a898-076e152552ef</ClientId>
        <ApplicationData>
          <airsyncbase:Body>
            <airsyncbase:Type>2</airsyncbase:Type>
            <airsyncbase:Data>A new note I just created.</airsyncbase:Data>
          </airsyncbase:Body>
          <notes:Categories>
            <notes:Category>Business</notes:Category>
          </notes:Categories>
          <notes:Subject>New note</notes:Subject>
          <notes:MessageClass>IPM.StickyNote</notes:MessageClass>
        </ApplicationData>
      </Add>
      <Delete>
        <ServerId>8:1</ServerId>
      </Delete>
      <Change>
        <ServerId>bb18e2a7-3e65-41a1-b0b2-9815539f98ad</ServerId>
        <ApplicationData>
          <airsyncbase:Body>
            <airsyncbase:Type>2</airsyncbase:Type>
            <airsyncbase:Data>&lt;strong&gt;This is my second note.&lt;/strong&gt;</airsyncbase:Data>
          </airsyncbase:Body>
          <notes:Categories>
            <notes:Category>Business</notes:Category>
          </notes:Categories>
          <notes:Subject>Second Note</notes:Subject>
          <notes:MessageClass>IPM.StickyNote</notes:MessageClass>
        </ApplicationData>
      </Change>
    </Commands>
  </Collection>
</Collections>
</Sync>
```
Response:

```xml
<?xml version="1.0" encoding="utf-8"?>
<Sync xmlns="AirSync">
  <Collections>
    <Collection>
      <SyncKey>1960353427</SyncKey>
      <CollectionId>8</CollectionId>
      <Status>1</Status>
      <Responses>
        <Add>
          <ClientId>c212ac10-0465-4983-a898-076e152552ef</ClientId>
          <ServerId>8:3</ServerId>
          <Status>1</Status>
        </Add>
        <Change>
          <ServerId>bb18e2a7-3e65-41a1-b0b2-9815539f98ad</ServerId>
          <Status>8</Status>
        </Change>
      </Responses>
    </Collection>
  </Collections>
</Sync>
```
5 Security

5.1 Security Considerations for Implementers

None.

5.2 Index of Security Parameters

None.
6 Appendix A: Full XML Schema

For ease of implementation, this section contains the contents of the Notes.xsd file, which represents the full XML schema for this protocol.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns="Notes"
  targetNamespace="Notes" elementFormDefault="qualified"
  attributeFormDefault="unqualified">
  <xs:element name="Subject" type="xs:string"/>
  <xs:element name="MessageClass" type="xs:string"/>
  <xs:element name="LastModifiedDate" type="xs:string"/>
  <xs:element name="Categories">
    <xs:complexType>
      <xs:sequence minOccurs="0">
        <xs:element name="Category" type="xs:string" maxOccurs="300"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```
Appendix B: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include updates to those products.

- Microsoft Exchange Server 2010
- Microsoft Exchange Server 2013
- Microsoft Exchange Server 2016
- Microsoft Exchange Server 2019

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms "SHOULD" or "SHOULD NOT" implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term "MAY" implies that the product does not follow the prescription.
8  Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements.
- A document revision that captures changes to protocol functionality.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

The changes made to this document are listed in the following table. For more information, please contact dochelp@microsoft.com.

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<th>Section</th>
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<td>? Appendix B: Product Behavior</td>
<td>Updated list of supported products.</td>
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