A simple mechanism to transport iCal data over the jabber protocol
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1 Introduction

This will be the first, in a series (hopefully), of specifications which will define how to utilize GroupWare over jabber. While GroupWare is extremely broad subject, this document will focus on iCal\(^1\). Since iCal is a defined standard which is transport-agnostic, all this document will do is define how iCal will be transported over Jabber.

What this document will cover:

- Sending iCal data
- Receiving iCal data

2 Disco

Before sending iCal messages to a jabber entity, a disco query should be performed in order to discover whether or not that entity supports iCal Envelopes.

```xml
<iq
type='get'
from='romeo@montague.net/orchard'
to='juliet@capulet.com/balconey'
id='info1'>
  <query xmlns='http://jabber.org/protocol/disco#info'/>
</iq>
```

If the jabber entity supports iCal Envelopes, then it MUST respond with http://jabber.org/protocol/gw/ical as a feature.

```xml
<iq
type='result'
from='juliet@capulet.com/balconey'
to='romeo@montague.net/orchard'
id='info1'>
  <query xmlns='http://jabber.org/protocol/disco#info'>
    <feature var='http://jabber.org/protocol/gw/ical'/>
  </query>
</iq>
```

3 Sending iCal Data

To send iCal, all that needs to be done is wrap the iCal data in a ical element. All iCal data sent MUST be in the ical element in the http://jabber.org/protocol/gw/ical namespace. The

\(^1\)iCalendar [http://www.ietf.org/html.charters/calsch-charter.html](http://www.ietf.org/html.charters/calsch-charter.html)
CDATA section is optional and is used here simply to make it readable. Other than wrapping iCal in XML, the data itself MUST follow the ietf 2445 RFC

As a convenience for users which do not have ical support the sender may want to place human readable information in the <body/> for the receiver to read.

4 Receiving iCal Data

When a client receives a message containing iCal data there are a few options which are considered reasonable.

• Ignore the message
• Display the ical data in the message

2445 RFC http://www.ietf.org/rfc/rfc2445.txt
8 Unresolved Issues

The following are issues that need to be resolved:

- Does scheduling negotiation need to be defined?
- How should attachments to iCal be handled?