

A blurred photograph of a crowd of people walking on a red carpet. The image is out of focus, showing the lower halves of people in various colored clothing (blue, green, black) as they move across the red surface. The background is bright and indistinct.

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Automation Anywhere Automation 360

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Using dictionary variable for email properties

When you automate an email-related task, RPA Workspace retrieves various properties of an email and stores the values of these properties in a dictionary variable. These properties are stored in a dictionary variable when you use an email action within a loop action.

Some of the email properties that RPA Workspace retrieves are its subject, recipients, senders, message, and received date and time. The email properties are stored in a dictionary variable within the following dictionary keys:

- emailSubject
- emailFrom
- emailTo
- emailCc
- emailBcc
- emailMessage
- emailReceivedTime
- emailReceivedDate

The system automatically associates the properties of an email with the appropriate dictionary keys. You can use the values stored in these dictionary keys in another task, store them in a database, or for any other purpose. These keys are available in the system and you must use them as specified above. For example, if you have created a dictionary variable 'Test' and want to display the subject and sender of an email in a message prompt, you must enter `Test {emailSubject}` and `Test {emailFrom}` in the appropriate fields.

If you press F2 to use a variable in a field, you must select `Test` from the Choose a variable list and enter `emailSubject` in the Dictionary key field in the Insert a variable dialog box to store the subject of an email in that field. Similarly, you can enter `emailFrom` in the Dictionary key field to use the email address of the sender of an email in a field.

The dictionary key variable is required for all email-related tasks you automate from Microsoft Outlook and any mail server if you want to use the email properties. You can use the dictionary key variable for the following Email actions:

- Change status
- Delete
- Forward
- Reply
- Save attachments
- Save email

Note: The time required to save an email varies based on the size of the attachments available in that email.