

ROYAL BANK OF CANADA
Form 424B2
April 18, 2019

RBC Capital Markets® Filed Pursuant to Rule 424(b)(2)
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Pricing Supplement

Dated April 16, 2019

To the Product

\$2,000,000

Prospectus Supplement

Issuer Callable Contingent Coupon Barrier Notes

No. CCBN-1 Dated

Linked to the Common Stock of Microsoft

September 10, 2018, the

Corporation, Due April 21, 2021

Prospectus Supplement

Royal Bank of Canada

Dated September 7, 2018

and the Prospectus Dated

September 7, 2018

Royal Bank of Canada is offering Issuer Callable Contingent Coupon Barrier Notes (the “Notes”) linked to the common stock (the “Reference Stock”) of Microsoft Corporation (the “Reference Stock Issuer”). The Notes offered are senior unsecured obligations of Royal Bank of Canada, will pay a quarterly Contingent Coupon at the rate and under the circumstances specified below, and will have the terms described in the documents described above, as supplemented or modified by this pricing supplement.

The Notes do not guarantee any return of principal at maturity. Any payments on the Notes are subject to our credit risk.

Investing in the Notes involves a number of risks. See “Risk Factors” beginning on page PS-5 of the product prospectus supplement dated September 10, 2018, on page S-1 of the prospectus supplement dated September 7, 2018, and “Selected Risk Considerations” beginning on page P-7 of this pricing supplement.

The Notes will not constitute deposits insured by the Canada Deposit Insurance Corporation, the U.S. Federal Deposit Insurance Corporation or any other Canadian or U.S. government agency or instrumentality. The Notes are not subject to conversion into our common shares under subsection 39.2(2.3) of the Canada Deposit Insurance Corporation Act. Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the Notes or determined that this pricing supplement is truthful or complete. Any representation to the contrary is a criminal offense.

Issuer:	Royal Bank of Canada	Stock Exchange Listing:	None
Trade Date:	April 16, 2019	Principal Amount:	\$1,000 per Note
Issue Date:	April 22, 2019	Maturity Date:	April 21, 2021
Observation Dates:	Quarterly, as set forth below	Coupon Payment Dates:	Quarterly, as set forth below
Valuation Date:	April 16, 2021	Contingent Coupon Rate:	9.65% per annum
Initial Stock Price:	\$120.77, which was the closing price of the Reference Stock on the Trade Date.		
Final Stock Price:	The closing price of the Reference Stock on the Valuation Date.		
Trigger Price and Coupon Barrier:	\$96.62, which is 80.00% of the Initial Stock Price (rounded to two decimal places).		
Contingent Coupon:	If the closing price of the Reference Stock is greater than or equal to the Coupon Barrier on the applicable Observation Date, we will pay the Contingent Coupon applicable to that Observation Date. You may not receive any Contingent Coupons		

during the term of the Notes.

If the Notes are not previously called, we will pay you at maturity an amount based on the Final Stock Price:

For each \$1,000 in principal amount, \$1,000 plus the Contingent Coupon at maturity, unless the Final Stock Price is less than the Trigger Price.

Payment at Maturity (if held to maturity): If the Final Stock Price is less than the Trigger Price, then the investor will receive at maturity, for each \$1,000 in principal amount, the number of shares of the Reference Stock equal to the Physical Delivery Amount, or at our election, the cash value of those shares.

Investors in the Notes will lose some or all of their principal amount if the Final Stock Price of the Reference Stock is less than the Trigger Price.

Physical Delivery Amount: For each \$1,000 principal amount, a number of shares of the Reference Stock equal to the principal amount divided by the Initial Stock Price, subject to adjustment as described in the product prospectus supplement.

Call Feature: The Notes may be called at our discretion on any Coupon Payment Date (other than the final Coupon Payment Date), if we send prior written notice, as described below.

CUSIP: 78013GGJ8

	Per Note	Total
Price to public ⁽¹⁾	100.00%	\$2,000,000.00
Underwriting discounts and commissions ⁽¹⁾	1.00%	\$20,000.00
Proceeds to Royal Bank of Canada	99.00%	\$1,980,000.00

⁽¹⁾ Certain dealers who purchased the Notes for sale to certain fee-based advisory accounts may have foregone some or all of their underwriting discount or selling concessions. The public offering price for investors purchasing the Notes in these accounts may be between \$990.00 and \$1,000 per \$1,000 in principal amount.

The initial estimated value of the Notes as of the date of this pricing supplement is \$982.89 per \$1,000 in principal amount, which is less than the price to public. The actual value of the Notes at any time will reflect many factors, cannot be predicted with accuracy, and may be less than this amount. We describe our determination of the initial estimated value in more detail below.

RBC Capital Markets, LLC, which we refer to as RBCCM, acting as agent for Royal Bank of Canada, received a commission of \$10.00 per \$1,000 in principal amount of the Notes and used a portion of that commission to allow selling concessions to other dealers of up to \$10.00 per \$1,000 in principal amount of the Notes. The other dealers may forgo, in their sole discretion, some or all of their selling concessions. See “Supplemental Plan of Distribution (Conflicts of Interest)” below.

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SUMMARY

The information in this “Summary” section is qualified by the more detailed information set forth in this pricing supplement, the product prospectus supplement, the prospectus supplement, and the prospectus.

General: This pricing supplement relates to an offering of Issuer Callable Contingent Coupon Barrier Notes (the “Notes”) linked to the common stock of Microsoft Corporation (the “Reference Stock”).

Issuer: Royal Bank of Canada (“Royal Bank”)

Trade Date: April 16, 2019

Issue Date: April 22, 2019

Valuation Date: April 16, 2021

Maturity Date: April 21, 2021

Denominations: Minimum denomination of \$1,000, and integral multiples of \$1,000 thereafter.

**Designated
 Currency:** U.S. Dollars

We will pay you a Contingent Coupon during the term of the Notes, periodically in arrears on each Coupon Payment Date, under the conditions described below:

**Contingent
 Coupon:**

- If the closing price of the Reference Stock is greater than or equal to the Coupon Barrier on the applicable Observation Date, we will pay the Contingent Coupon applicable to that Observation Date.
- If the closing price of the Reference Stock is less than the Coupon Barrier on the applicable Observation Date, we will not pay you the Contingent Coupon applicable to that Observation Date. You may not receive a Contingent Coupon for one or more quarterly periods during the term of the Notes.

**Contingent
 Coupon Rate:** 9.65% per annum (2.4125% per quarter).

**Observation
 Dates:** Quarterly on July 16, 2019, October 16, 2019, January 16, 2020, April 16, 2020, July 16, 2020, October 16, 2020, January 19, 2021 and the Valuation Date.

**Coupon Payment
 Dates:** The Contingent Coupon, if applicable, will be paid quarterly on July 19, 2019, October 21, 2019, January 22, 2020, April 21, 2020, July 21, 2020, October 21, 2020, January 22, 2021 and the Maturity Date.

Record Dates: The record date for each Coupon Payment Date will be one business day prior to that scheduled Coupon Payment Date; provided, however, that any Contingent Coupon payable at maturity or upon a call will be payable to the person to whom the payment at maturity or upon the call, as the case may be, will be payable.

Call Feature: The Notes may be called at our discretion on any Coupon Payment Date (other than the final Coupon Payment Date), if we send written notice to the trustee at least three business days prior to that Coupon Payment Date.

Payment if Called: If the Notes are called, then, on the applicable Coupon Payment Date, for each \$1,000 principal amount, you will receive \$1,000 plus the Contingent Coupon otherwise due on that Coupon Payment Date.

Initial Stock Price: The closing price of the Reference Stock on the Trade Date, as specified on the cover page of this pricing supplement.

Final Stock Price: The closing price of the Reference Stock on the Valuation Date.
 80.00% of the Initial Stock Price, as specified on the cover page of this pricing supplement.

Trigger Price and
Coupon
Barrier:

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<p>Payment at Maturity (if not previously called and held to maturity):</p>	<p>If the Notes are not previously called, we will pay you at maturity an amount based on the Final Stock Price of the Reference Stock:</p> <ul style="list-style-type: none"> • If the Final Stock Price is greater than or equal to the Trigger Price, we will pay you a cash payment equal to the principal amount plus the Contingent Coupon otherwise due on the Maturity Date. • If the Final Stock Price is below the Trigger Price, you will receive at maturity, for each \$1,000 in principal amount, the number of shares of the Reference Stock equal to the Physical Delivery Amount, or at our election, the Cash Delivery Amount. If we elect to deliver shares of the Reference Stock, fractional shares will be paid in cash. <p>The value of the cash or shares that you receive will be less than your principal amount, if anything, resulting in a loss that is proportionate to the decline of the Reference Stock from the Trade Date to the Valuation Date. Investors in the Notes will lose some or all of their principal amount if the Final Stock Price of the Reference Stock is less than the Trigger Price.</p>
<p>Physical Delivery Amount:</p>	<p>For each \$1,000 in principal amount, a number of shares of the Reference Stock equal to the principal amount divided by the Initial Stock Price, subject to adjustment as described in the product prospectus supplement. If this number is not a round number, then the number of shares of the Reference Stock to be delivered will be rounded down and the fractional part shall be paid in cash.</p>
<p>Cash Delivery Amount:</p>	<p>The product of the Physical Delivery Amount multiplied by the Final Stock Price.</p>
<p>Market Disruption Events:</p>	<p>The occurrence of a market disruption event (or a non-trading day) as to the Reference Stock will result in the postponement of an Observation Date or the Valuation Date, as described in the product prospectus supplement.</p>
<p>Calculation Agent:</p>	<p>RBC Capital Markets, LLC (“RBCCM”)</p>
<p>U.S. Tax Treatment:</p>	<p>By purchasing a Note, each holder agrees (in the absence of a change in law, an administrative determination or a judicial ruling to the contrary) to treat the Notes as a callable pre-paid contingent income-bearing derivative contract linked to the Reference Stock for U.S. federal income tax purposes. However, the U.S. federal income tax consequences of your investment in the Notes are uncertain and the Internal Revenue Service could assert that the Notes should be taxed in a manner that is different from that described in the preceding sentence. Please see the section below, “Supplemental Discussion of U.S. Federal Income Tax Consequences,” and the discussion (including the opinion of our counsel Morrison & Foerster LLP) in the product prospectus supplement dated September 7, 2018 under “Supplemental Discussion of U.S. Federal Income Tax Consequences,” which apply to the Notes. RBCCM (or one of its affiliates), though not obligated to do so, may maintain a secondary market in the Notes after the Issue Date. The amount that you may receive upon sale of your Notes prior to maturity may be less than the principal amount.</p>
<p>Secondary Market:</p>	<p>The Notes will not be listed on any securities exchange.</p>
<p>Listing:</p>	<p>DTC global (including through its indirect participants Euroclear and Clearstream, Luxembourg as described under “Description of Debt Securities—Ownership and Book-Entry Issuance” in the prospectus dated September 7, 2018).</p>
<p>Settlement:</p>	<p>All of the terms appearing above the item captioned “Secondary Market” on the cover page and pages P-2 and P-3 of this pricing supplement and the terms appearing under the caption “General Terms of the Notes” in the product prospectus supplement dated September 7, 2018, as modified by this pricing supplement.</p>
<p>Terms Incorporated in the Master Note:</p>	<p>All of the terms appearing above the item captioned “Secondary Market” on the cover page and pages P-2 and P-3 of this pricing supplement and the terms appearing under the caption “General Terms of the Notes” in the product prospectus supplement dated September 7, 2018, as modified by this pricing supplement.</p>

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ADDITIONAL TERMS OF YOUR NOTES

You should read this pricing supplement together with the prospectus dated September 7, 2018, as supplemented by the prospectus supplement dated September 7, 2018 and the product prospectus supplement dated September 10, 2018, relating to our Senior Global Medium Term Notes, Series H, of which these Notes are a part. Capitalized terms used but not defined in this pricing supplement will have the meanings given to them in the product prospectus supplement. In the event of any conflict, this pricing supplement will control. The Notes vary from the terms described in the product prospectus supplement in several important ways. You should read this pricing supplement carefully.

This pricing supplement, together with the documents listed below, contains the terms of the Notes and supersedes all prior or contemporaneous oral statements as well as any other written materials including preliminary or indicative pricing terms, correspondence, trade ideas, structures for implementation, sample structures, brochures or other educational materials of ours. You should carefully consider, among other things, the matters set forth in “Risk Factors” in the prospectus supplement dated September 7, 2018 and in the product prospectus supplement dated September 10, 2018, as the Notes involve risks not associated with conventional debt securities. We urge you to consult your investment, legal, tax, accounting and other advisors before you invest in the Notes. You may access these documents on the Securities and Exchange Commission (the “SEC”) website at www.sec.gov as follows (or if that address has changed, by reviewing our filings for the relevant date on the SEC website):

Prospectus dated September 7, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000121465918005973/196181424b3.htm>

Prospectus Supplement dated September 7, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000121465918005975/f97180424b3.htm>

Product Prospectus Supplement dated September 10, 2018:

<https://www.sec.gov/Archives/edgar/data/1000275/000114036118038091/form424b5.htm>

Our Central Index Key, or CIK, on the SEC website is 1000275. As used in this pricing supplement, “we,” “us,” or “our” refers to Royal Bank of Canada.

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HYPOTHETICAL EXAMPLES

The table set out below is included for illustration purposes only. The table illustrates the Payment at Maturity of the Notes (including the final Contingent Coupon, if payable) for a hypothetical range of performance for the Reference Stock, assuming the following terms and that the Notes are not called prior to maturity:

Hypothetical Initial Stock Price:	\$100.00*
Hypothetical Trigger Price and Coupon Barrier:	\$80.00, which is 80.00% of the hypothetical Initial Stock Price
Contingent Coupon Rate:	9.65% per annum (or 2.4125% per quarter)
Contingent Coupon Amount:	\$24.125 per quarter
Observation Dates:	Quarterly
Principal Amount:	\$1,000 per Note

* The hypothetical Initial Stock Price of \$100 used in the examples below has been chosen for illustrative purposes only and does not represent the actual Initial Stock Price. The actual Initial Stock Price is set forth on the cover page of this pricing supplement.

Hypothetical Final Stock Price of the Reference Stock	Percentage Change of the Reference Stock	Payment at Maturity (assuming that the Notes were not previously called)*	Physical Delivery Amount as Number of Shares of the Reference Stock	Cash Delivery Amount
\$150.00	50.00%	\$1,024.125*	n/a	n/a
\$140.00	40.00%	\$1,024.125*	n/a	n/a
\$130.00	30.00%	\$1,024.125*	n/a	n/a
\$125.00	25.00%	\$1,024.125*	n/a	n/a
\$110.00	10.00%	\$1,024.125*	n/a	n/a
\$100.00	0.00%	\$1,024.125*	n/a	n/a
\$90.00	-10.00%	\$1,024.125*	n/a	n/a
\$80.00	-20.00%	\$1,024.125*	n/a	n/a
\$79.99	-20.01%	Physical or Cash Delivery Amount	10	\$799.90
\$70.00	-30.00%	Physical or Cash Delivery Amount	10	\$700.00
\$65.00	-35.00%	Physical or Cash Delivery Amount	10	\$650.00
\$60.00	-40.00%	Physical or Cash Delivery Amount	10	\$600.00
\$50.00	-50.00%	Physical or Cash Delivery Amount	10	\$500.00
\$40.00	-60.00%	Physical or Cash Delivery Amount	10	\$400.00

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		Amount		
\$30.00	-70.00%	Physical or Cash Delivery Amount	10	\$300.00
\$20.00	-80.00%	Physical or Cash Delivery Amount	10	\$200.00
\$10.00	-90.00%	Physical or Cash Delivery Amount	10	\$100.00
\$0.00	-100.00%	Physical or Cash Delivery Amount	10	\$0.00

*Including the final Contingent Coupon, if payable.

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Hypothetical Examples of Amounts Payable at Maturity

The following hypothetical examples illustrate how the payments at maturity set forth in the table above are calculated, assuming the Notes have not been called.

Example 1: The price of the Reference Stock increases by 25% from the Initial Stock Price of \$100.00 to the Final Stock Price of \$125.00. Because the Final Stock Price is greater than the Trigger Price and its Coupon Barrier, the investor receives at maturity, in addition to the final Contingent Coupon otherwise due on the Notes, a cash payment of \$1,000 per Note, despite the 25% appreciation in the price of the Reference Stock.

Example 2: The price of the Reference Stock decreases by 10% from the Initial Stock Price of \$100.00 to the Final Stock Price of \$90.00. Because the Final Stock Price is greater than the Trigger Price and its Coupon Barrier, the investor receives at maturity, in addition to the final Contingent Coupon otherwise due on the Notes, a cash payment of \$1,000 per Note, despite the 10% decline in the price of the Reference Stock.

Example 3: The price of the Reference Stock decreases by 50% from the Initial Stock Price of \$100.00 to the Final Stock Price of \$50.00. Because the Final Stock Price is less than the Trigger Price and its Coupon Barrier, the final Contingent Coupon will not be payable on the Maturity Date, and the investor receives 10 shares of the Reference Stock at maturity, or at our option, the Cash Delivery Amount, calculated as follows:

Physical Delivery Amount x Final Stock Price = 10 x \$50.00 = \$500.00

* * *

The Payments at Maturity shown above are entirely hypothetical; they are based on theoretical prices of the Reference Stock that may not be achieved on the Valuation Date and on assumptions that may prove to be erroneous. The actual market value of your Notes on the Maturity Date or at any other time, including any time you may wish to sell your Notes, may bear little relation to the hypothetical Payments at Maturity shown above, and those amounts should not be viewed as an indication of the financial return on an investment in the Notes.

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SELECTED RISK CONSIDERATIONS

An investment in the Notes involves significant risks. Investing in the Notes is not equivalent to investing directly in the Reference Stock. These risks are explained in more detail in the section “Risk Factors” in the product prospectus supplement. In addition to the risks described in the prospectus supplement and the product prospectus supplement, you should consider the following:

Principal at Risk — Investors in the Notes could lose all or a substantial portion of their principal amount if there is a decline in the trading price of the Reference Stock between the Trade Date and the Valuation Date. If the Notes are not called and the Final Stock Price on the Valuation Date is less than the Trigger Price, the value of the shares or cash that you receive at maturity will represent a loss of your principal that is proportionate to the decline in the closing price of the Reference Stock from the Trade Date to the Valuation Date. If you receive shares of the Reference Stock, their value could decrease between the Valuation Date and the Maturity Date. Any Contingent Coupons received on the Notes prior to the Maturity Date may not be sufficient to compensate for any such loss.

The Notes Are Subject to an Issuer Call — We may call the Notes at our discretion on any Coupon Payment Date, other than the final Coupon Payment Date. If the Notes are called, then, on the applicable Coupon Payment Date, for each \$1,000 in principal amount, you will receive \$1,000 plus the Contingent Coupon otherwise due on the applicable Coupon Payment Date. You will not receive any Contingent Coupons after that payment. You may be unable to reinvest your proceeds from the call in an investment with a return that is as high as the return on the Notes would have been if they had not been called.

You May Not Receive Any Contingent Coupons — We will not necessarily make any coupon payments on the Notes. If the closing price of the Reference Stock on an Observation Date is less than the Coupon Barrier, we will not pay you the Contingent Coupon applicable to that Observation Date. If the closing price of the Reference Stock is less than the Coupon Barrier on each of the Observation Dates and on the Valuation Date, we will not pay you any Contingent Coupons during the term of, and you will not receive a positive return on, your Notes. Generally, this non-payment of the Contingent Coupon coincides with a period of greater risk of principal loss on your Notes. Accordingly, if we do not pay the Contingent Coupon on the Maturity Date, you will also incur a loss of principal, because the Final Stock Price will be less than the Trigger Price.

The Call Feature and the Contingent Coupon Feature Limit Your Potential Return — The return potential of the Notes is limited to the pre-specified Contingent Coupon Rate, regardless of the appreciation of the Reference Stock. In addition, the total return on the Notes will vary based on the number of Observation Dates on which the Contingent Coupon becomes payable prior to maturity or an issuer call. Further, if the Notes are called due to the Call Feature, you will not receive any Contingent Coupons or any other payment in respect of any Observation Dates after the applicable Coupon Payment Date. Since the Notes could be called as early as the first Coupon Payment Date, the total return on the Notes could be minimal. If the Notes are not called, you may be subject to the full downside performance of the Reference Stock even though your potential return is limited to the Contingent Coupon Rate. As a result, the return on an investment in the Notes could be less than the return on a direct investment in the Reference Stock.

Your Return May Be Lower than the Return on a Conventional Debt Security of Comparable Maturity — The return that you will receive on the Notes, which could be negative, may be less than the return you could earn on other investments. Even if your return is positive, your return may be less than the return you would earn if you bought a conventional senior interest bearing debt security of Royal Bank.

Payments on the Notes Are Subject to Our Credit Risk, and Changes in Our Credit Ratings Are Expected to Affect the Market Value of the Notes — The Notes are our senior unsecured debt securities. As a result, your receipt of any Contingent Coupons, if payable, and the amount due on any relevant payment date is dependent upon our ability to repay its obligations on the applicable payment dates. This will be the case even if the price of the Reference Stock

increases after the Trade Date. No assurance can be given as to what our financial condition will be during the term of the Notes.

There May Not Be an Active Trading Market for the Notes-Sales in the Secondary Market May Result in Significant Losses — There may be little or no secondary market for the Notes. The Notes will not be listed on any securities exchange. RBCCM and our other affiliates may make a market for the Notes; however, they are not required to do so. RBCCM or any other affiliate of ours may stop any market-making activities at any time. Even if a secondary market for the Notes develops, it may not provide significant liquidity or trade at prices advantageous to you. We expect that transaction costs in any secondary market would be high. As a result, the difference between bid and asked prices for your Notes in any secondary market could be substantial.

Owning the Notes Is Not the Same as Owning the Reference Stock — The return on your Notes is unlikely to reflect the return you would realize if you actually owned the Reference Stock. For instance, you will not receive or be entitled to receive any dividend payments or other distributions on the Reference Stock during the term of your Notes. As an owner of the Notes, you will not have voting rights or any other rights that holders of the Reference Stock may have. Furthermore, the Reference

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Stock may appreciate substantially during the term of the Notes, while your potential return will be limited to the applicable Contingent Coupon payments.

There Is No Affiliation Between the Reference Stock Issuer and RBCCM, and RBCCM Is Not Responsible for any Disclosure by the Reference Stock Issuer — We are not affiliated with the Reference Stock Issuer. However, we and our affiliates may currently, or from time to time in the future engage, in business with the Reference Stock Issu